

**WE BUILD INTO EVERY TOOL WE SELL THE KNOW
HOW AND PRECISION TO GET YOUR JOB DONE RIGHT**

**TOOLING FOR
SHAPERS
MOULDERS,
TENONERS
PLANERS, SAWS
CNC ROUTERS,
HAUNCHERS**

**Quality
Woodworking
Tools And
Accessories
Since 1926**



***More Tools
More Solutions***

**More Cutters, Heads, Solid Carbide Spirals
and Knives throughout this expanded edition**

CATALOG NO. 1201

We Give Expert Technical Assistance To Help You Get the Right Tool To Fit Every Need and Specification

YOU HAVE A TEAM OF PROBLEM SOLVERS AT SCHMIDT

The people you talk to are experienced pros in the custom woodworking tool industry who can put their training and knowledge to work for you.

Count on any one of the Schmidt team to tackle your production and engineering problems and meet your special manufacturing needs.

Joe De Cotiis Operations Manager	Jay Oliva Stock & Custom Sales	Rick Paul Jr. Sales and Product Development	James Mirarchi Tooling Design & Head Drafter	Ken Davis Inside Sales
joe@cggsgschmidt.com	jay@cggsgschmidt.com	ricky@cggsgschmidt.com	drafting@cggsgschmidt.com	ken@cggsgschmidt.com

It all adds up. Top quality Products. In-depth service and experience. Technical innovation. It's what makes Schmidt a leader in the industry. It's what makes the Schmidt difference!

The finest expression of Schmidt quality is in the high performance of Schmidt tools.

- We make our tools to precision tolerances to insure extreme accuracy.
- We use the latest technology in CNC equipment for greater precision than ever before.
- We check our tools with high powered optical comparators where requirements demand it to identify and correct small imperfections.

When it comes to experience, we're in a class by ourselves.

- When you call for service you talk to the seasoned experts in charge, dedicated Schmidt Sales Engineers with over 100 years total experience.
- We have expert skill and understanding in the engineering, design and manufacturing of custom tools.
- We also know the machine you put the tools on: shaper, moulder, double-end tenoner, jointer, planer and router.

We know woodworking tools inside out, and that sets our service apart.

- Total service: Schmidt will recommend the proper tool type, tip, cutting angle, etc., for the proper machine to do your job efficiently and economically.
- For fast turnaround, send your order or picture of the shape you need via fax machine or e-mail.
- We specialize in custom work, so we

excel at understanding and servicing your unique woodworking problem.

- We can manufacture tools for most woodworking machines to meet unusual requirements.
- Schmidt offers the most versatile design and manufacture of wing cutters, shaper knives and corrugated back knives in the business.
- We offer S-Alloy, carbide-tipped and solid steel tools to work on any type of wood.

Schmidt stands at the leading edge of innovation and high performance.

- More combinations of standard corrugated back heads and knives than anyone else in the industry
- We were first to adapt S-Alloy for woodworking tools back in the early 1960s. Other companies have followed our lead.

CONDITIONS OF SALE

WARRANTY: All Charles G.G. Schmidt & Co. tools are warranted against defect in workmanship and material for 90 days. Any product found to be defective may be returned with prior written approval. If found defective in our analysis, the product will be repaired or replaced, at our discretion.

PRICES: Prices and specifications are subject to change without notice.

CANCELLATION: Standard orders may be cancelled without charge before shipping. Special orders may be cancelled but there will be a cancellation charge based on the status of your order and expenses incurred by the company at the time of cancellation. Standard items may be returned subject to a 15% restocking charge.

TERMS: Cash, COD, Credit Card,

or Net 30 days upon credit approval. Minimum order \$30.00.

FREIGHT & SHIPPING: All orders are shipped FOB Montvale, NJ. All shipping and handling charges are added to the invoice. Ownership of products will pass to buyer at the time the goods are delivered to the freight carrier.



To Place An Order Call: 1-800-SCHMIDT 800-724-6438

www.cggsgschmidt.com



Dear Valued Customer,

Welcome to the new 2020/2021 catalog from **Charles G. G. Schmidt & Company**. This catalog, along with our expert technical staff, will allow you to select the best possible tooling system available for your application. During our nearly ninety three years of service to the woodworking industry, we have been the consistent source for the highest quality state-of-the-art tooling, as well as friendly, knowledgeable technical help for all types of woodworking machines, both new and old. As we enter our ninety fourth year, we hold an uncompromising commitment to stay on the "cutting edge" of the industry, while providing you with the best customer service available. This includes staying on top of new materials and techniques, continually improving our own manufacturing processes, while at the same time maintaining our tradition as your problem solving partner.

Thank you for considering us for your tooling requirements.

Rick Paul
President

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A SCHMIDT SPECIALTY

CUSTOM CUTTING TOOLS have always been a specialty of Schmidt so we excel at understanding and servicing your unique woodworking problem. Whether you work with a shaper, moulder, saw, CNC router, planer or double end tenoner, we can provide the best tools to get your job done right. The chart below describes the range of tools which are available for various woodworking machines. Also shown is the range of cutting tips which we can provide for each tool, depending on your application. We strive to produce the best tools possible. If you don't see the tool you are looking for, please ask. We are constantly improving our manufacturing methods to give you the best possible cutting tool at the most economical price.

TYPES OF TOOLS AND THE TYPE OF MACHINES ON WHICH THEY CAN BE USED

Tool Steel	Tungsten Carbide	S-Alloy	Diamond		Routers	Shapers	Moulders	Tenoners	Planers
Router Bits	✓	✓	✓	✓	✓				
Wing Cutters		✓	✓	✓		✓	✓	✓	
Insert Tooling		✓	✓	✓	✓	✓	✓	✓	✓
Corrugated Back Knives	✓	✓	✓		✓	✓	✓	✓	✓

MATERIALS USED IN TIPS OF CUSTOM CUTTING TOOLS

DIAMOND

- Can help reduce machine downtime drastically.
- Retains sharpness 100 to 300 times longer than carbide.
- Ideal for long runs where maintaining a precise profile is required.
- Cuts smoother than Carbide.
- Must be used on power-fed operations.
- Recommended for all types of wood and is excellent on abrasive materials such as MDF or plywood.

S-ALLOY

- Recommended for most solid hard and soft woods.
- Holds a cutting edge longer, cuts smoother, feeds with less resistance.
- Can be sharpened to finer edge than carbide.
- Especially effective on cross-grain cutting.
- Can be honed for longer wear between sharpening.
- Is sharpened with aluminum oxide or borazon only.

TUNGSTEN CARBIDE

- Recommended for hardboard, plywood, chipboard, masonite and any other glue-bonded materials.
- Must be used for highly abrasive materials.

- C-2 carbide used for most applications. Better grades available when requirements demand it.
- C-3 carbide, standard on our panel raising cutters.
- C-4 carbide, standard on our insert tools.

TOOL STEELS

- Can be ground to a super sharp cutting edge for soft and hardwood applications.
- Not recommended for cutting more abrasive materials such as particle board, masonite, etc.
- Hardened to Rockwell C60-62.
- **M2 & M3 High Speed Steels**, the industry standard for long life and easy grinding.
- **XLW HP** (Speed Steel) for Xtra Long Wear.
 - has similar characteristics to M-2.
 - provides good wear life.
- **T1 High Speed Steel** Rich in Tungsten, this Alloy Steel has proven itself when it comes to long runs and grinding ease. Available in corrugated back knives, thin knives and Terminus knives only.
- **Schmidt Super Steel** A high quality steel specially treated to produce an extraordinarily hard surface that won't chip, peel or flake. 50% longer run times in solid woods, than M2 HSS. Special order

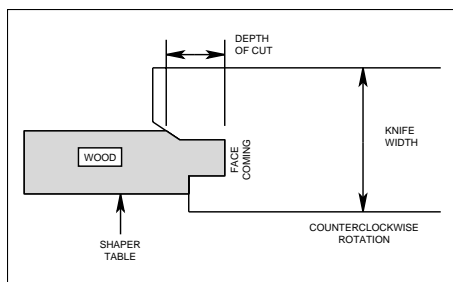


Schmidt can make a variety of custom cutter heads, all designed to meet your special needs.

HOW TO ORDER:

Please include the following information when ordering:

- 1** Diameter, thickness, bore (spindle) size, RPM and feed rate.
- 2** Specify S-Alloy or Tungsten Carbide tips
- 3** Indicate type of wood or material being cut
- 4** State whether cut is with or across the grain
- 5** Include dimensioned drawing or accurate sample of material being cut
- 6** Identify type of machine and whether spindle rotation is clockwise or counterclockwise
- 7** Point out which surface of wood is in contact with shaper table



SHAPER CUTTERS



CARBIDE TIPPED

For hardwood, plywood, chipboard, other glue-bonded or highly abrasive materials, Tungsten Carbide tipped cutting tools are recommended.

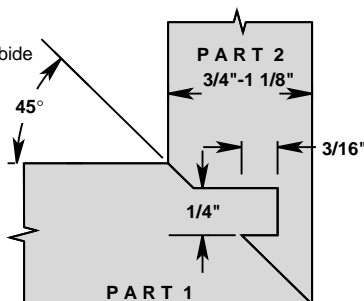
SINGLE TONGUE & GROOVE LOCK-MITRE CUTTERS

4-3/4" x 1-1/4" bore 3-wing 3 pc. carbide tipped cutter set to produce single tongue & groove lock-mitre corners.

FOR PART 1: Position shaper cutter to cut all panels as shown in sketch.

FOR PART 2: Use one half of part 1 panels, place on saw table and cut off tongue with 1/4" groover as shown. This piece becomes Part 2.

See below for groovers or see our new adjustable 1/4" insert groover IG660 on page 37.



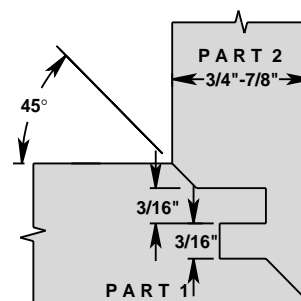
CAT. NO.
WC201

DOUBLE TONGUE AND GROOVE LOCK-MITRE CUTTERS

5" x 1-1/4" bore 3-wing 3 pc. carbide tipped cutter set to produce double tongue & groove lock-mitre corners.

FOR PART 1: Position cutter on shaper to cut tongue and groove in center of wood panel when wood is lying flat. Cut half of your panels this way.

FOR PART 2: Position cutter to cut tongue and groove in center of wood panel when wood is standing on end.

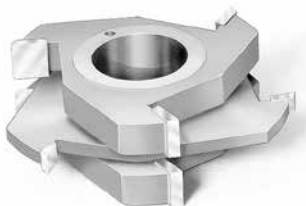


CAT. NO.
WC202

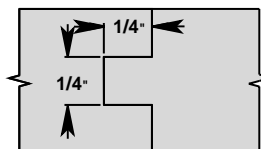
TONGUE & GROOVE CUTTER SET

4" x 1-1/4" bore 3-wing 4 pc. carbide tipped cutter set to produce 1/4" x 1/4" square tongue & groove on material up to 1-1/8" thick.

- One 3-wing groover (4" dia. x 1/4" thick)
- Two 3-wing straight cutters (3-1/2" dia. x 1/2" thick)
- One spacer collar (Not shown)



To cut the tongue joint, use the two 3-wing cutters separated by the spacer collar.

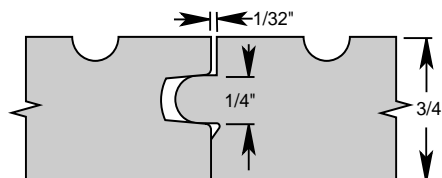
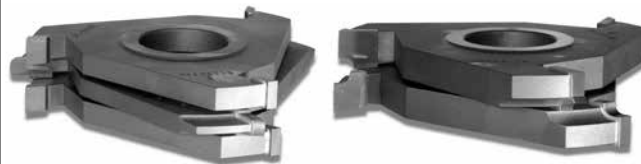


To cut the groove joint, replace the spacer collar with the 3-wing groover.

CAT. NO.
WC200

FLOORING CUTTER SET

4-1/2" x 1-1/4" bore 3-wing carbide tipped 5 pc. cutter set to produce tongue & groove flooring. 2 pc. tongue cutter allows you to hold dimension for the life of the tool. Fits shapers and XL moulders.



CAT. NO.
WC240XL

GROOVERS

An excellent grooving cutter for all types of material

	4" DIAMETER 3 WING	6" DIAMETER 6 WING	8" DIAMETER 6 WING
KERF	CAT. NO.	CAT. NO.	CAT. NO.
1/8" (4 wing)	WC140		
1/4"	WC141	WC161	WC181
3/8"	WC142	WC162	WC182
1/2"	WC143	WC163	WC183

Standard bore 1-1/4". Bushings available for smaller bore sizes, see page 8. For larger bores, our boring charge applies.

See CAT. NO. WC898

NEW!



Scan this QR code to see a pictorial video of our manufacturing facility

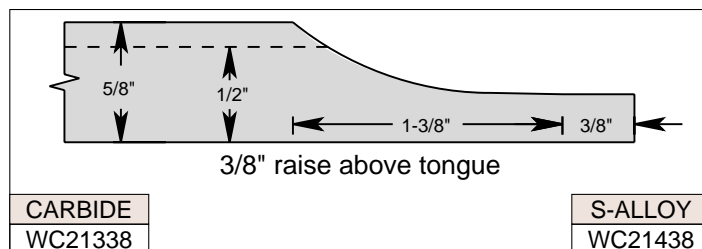
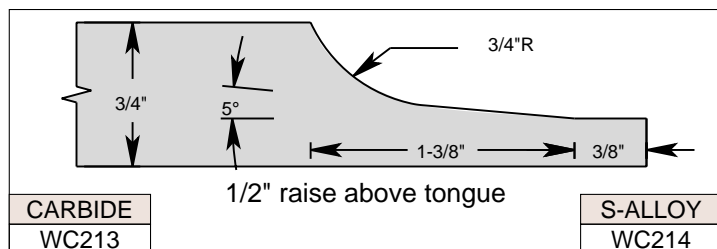
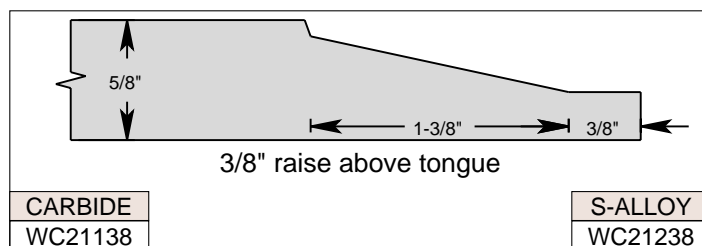
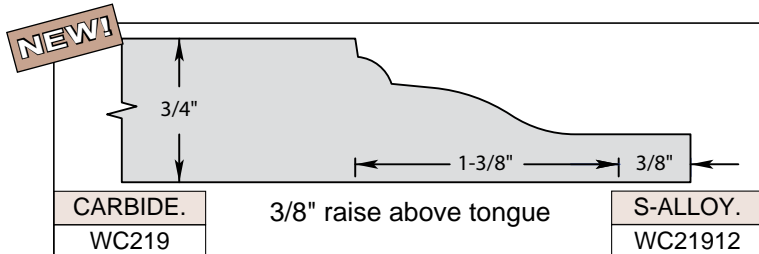
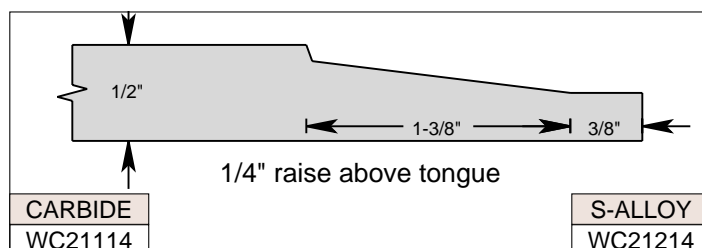
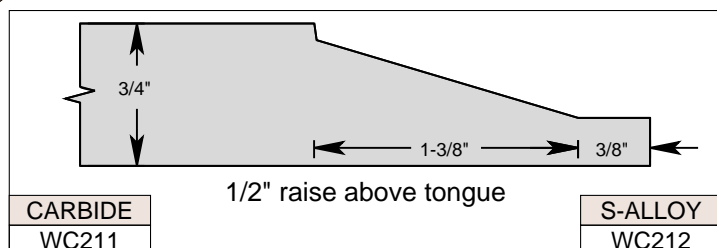
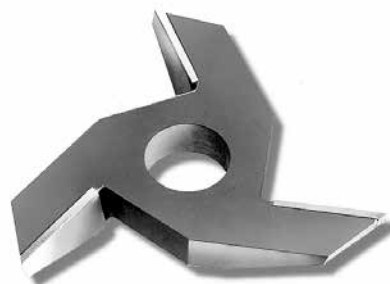
RAISED PANEL CUTTERS & BACK CUTTERS

S-ALLOY AND CARBIDE TIPPED

S-Alloy is ideal for cutting most solid hard and soft woods. Compared with other tips, S-Alloy holds a cutting edge longer, cuts smoother, and feeds with less resistance. It's the best cutting tip on the market for cutting solid wood stiles, rails and raised panels. Our C-3 Micrograin Carbide Tipped panel raising cutters are excellent for cutting man made materials such as MDF, Medex, solid surface and fire treated materials. They also work well in very hard natural woods such as maple and teak.

PANEL RAISING CUTTERS

- Cutters made for counterclockwise rotation with wood face side up. All are 6" diameter w/ 1-1/4" bore, 3-wings & 10° shear face.
 - Consult factory for prices on other shapes and designs.
 - Use bearing AC111, 2-1/2" x 1-1/4" for pattern shaping with 3/8" tongue length.
 - For bushings to other bore sizes, see accessories page 8
- Insert style Panel Raising Cutters and Stile and Rail sets on pages 40-41.

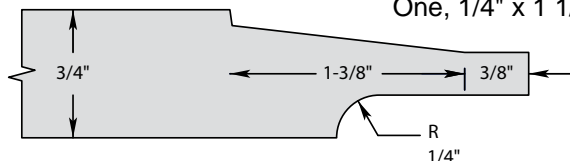


NEW!

INSERT STYLE RAISED PANEL BACK CUTTER

Use our New Insert Style Back cutter in conjunction with any of our solid body or insert style panel raising cutters to produce a decorative cut on the back side of raised panel cabinet doors. 4 3/4" diameter, 1 1/4" bore.

One, 1/4" x 1 1/4" diameter spacer included



BACK CUTTER AND PARTS	CAT. NO.
Insert Back Cutter complete	IC209
Replacement Carbide Cutters	IC209C
Replacement Screw	INKS414S
T15 Torx Wrench	INKS414TW



STILE AND RAIL CUTTERS & SPACE BALLS

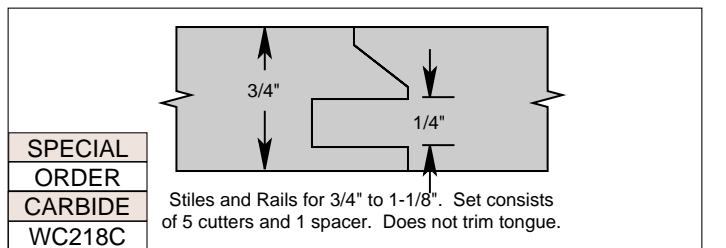
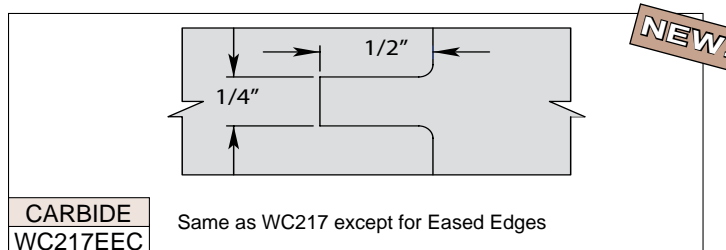
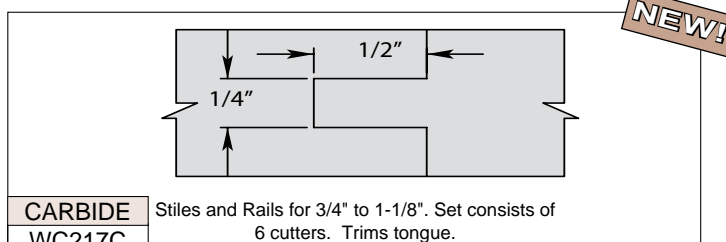
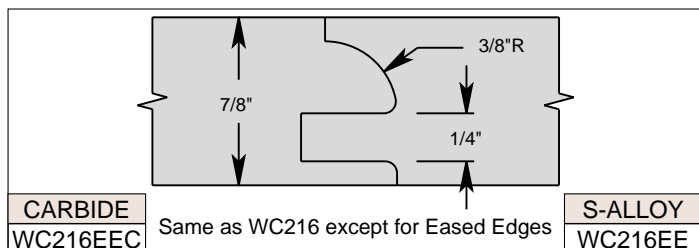
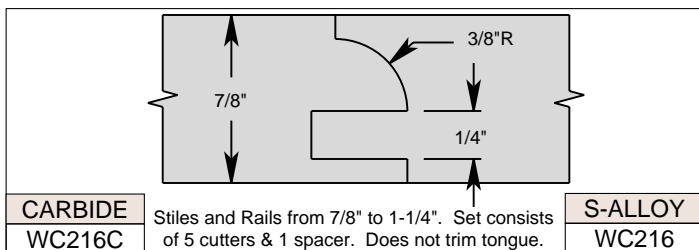
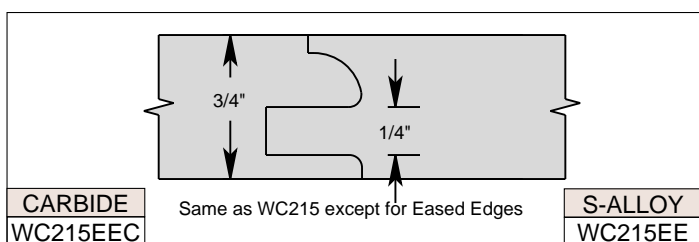
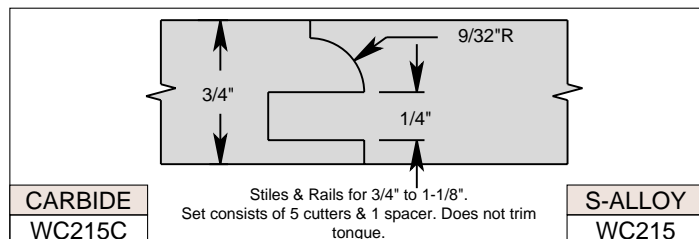
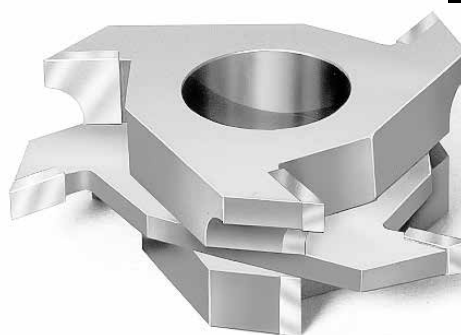


CABINET DOOR CUTTERS
STILE AND RAIL

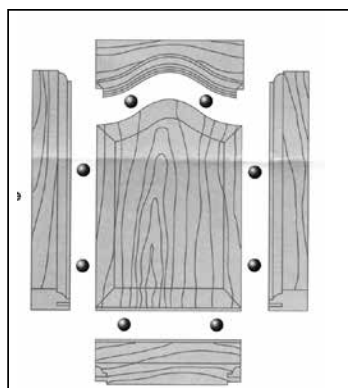
STILE & RAIL CUTTER SETS

FOR KITCHEN CABINETS

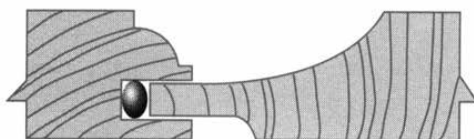
- Cutters made for counterclockwise or clockwise rotation with wood face up or face down. Please specify when ordering.
- All are 4" Diameter x 1-1/4" bore, 3 wing.
- Use bearing AC113 for pattern shaping.



SPACE BALLS Center your solid wood panels and stop panel rattle with Space Balls.



Made from a plastic/rubber, these flexible balls are an excellent way of holding your panel securely during normal shrinking and expanding. Panel floats and won't crack. Available in three sizes. Quantity discounts available.



DESCRIPTION	CAT. NO.
3/16" diameter (price per 1000)	AC814
7/32" diameter (price per 1000)	AC815
1/4" diameter (price per 1000)	AC816

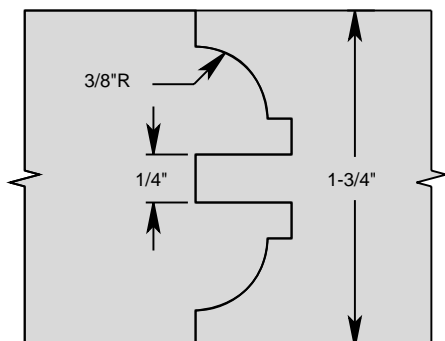
STILE AND RAIL CUTTERS FOR ENTRY DOORS

S-ALLOY AND CARBIDE TIPPED

STILE AND RAIL CUTTER SETS FOR INTERIOR AND EXTERIOR DOORS

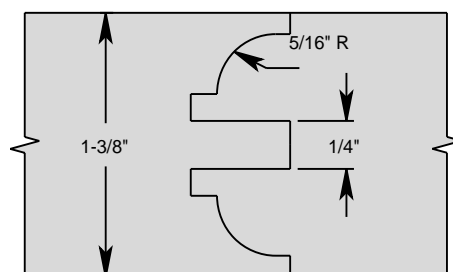
- All sets 4" diameter x 1-1/4" bore, 3 wing. • Use bearing AC113 3" x 1-1/4" bore for pattern shaping.
- Sets consists of 6 cutters - trims tongue to length. **Hollow mortising chisels and bits available. See page 34.**

OVOLO
Pattern
for 1-3/4"
thick Panel
Doors.



S-ALLOY
WC220
CARBIDE
WC220C

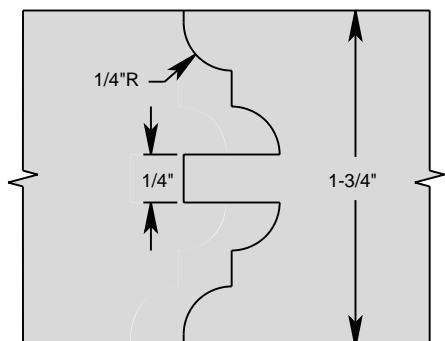
OVOLO
Pattern
for 1-3/8"
thick Panel
Doors.



S-ALLOY
WC222
CARBIDE
WC222C

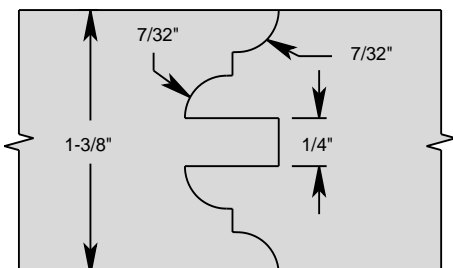
•For bushings to other bore sizes see accessories on page 9.

BEAD & COVE
Pattern
for 1-3/4"
thick Panel
Doors



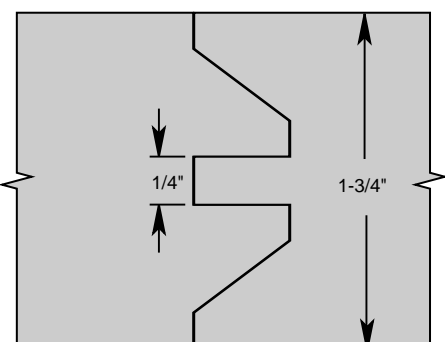
SPECIAL
ORDER
CARBIDE
WC221C

BEAD & COVE
Pattern for
1-3/8" thick
Panel Doors



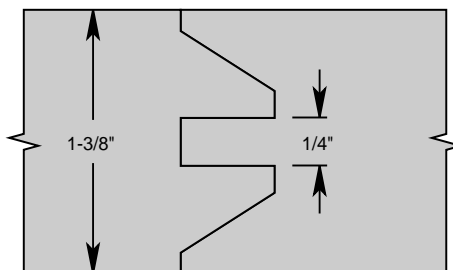
SPECIAL
ORDER
CARBIDE
WC223C

BEVEL
Pattern for
1-3/4" thick
Panel Doors



SPECIAL
ORDER
CARBIDE
WC224C

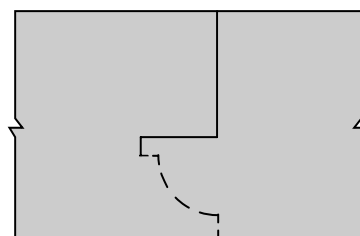
BEVEL
Pattern for
1-3/8" thick
Panel Doors



SPECIAL
ORDER
CARBIDE
WC226C

GLASS PANEL
CUTTERS for
All Schmidt
Door Sets

Use these cutters with any of the sets listed above to produce an inlaid glass panel door. This set consists of (2) 1-1/4" wide cutters to be used with 1 stile cutter and 1 rail cutter to make a joint as shown. The rabbet depth produced is 1/2".



Rabbeting cutters only, does not include profile cutters.

S-ALLOY	CARBIDE
WC225	WC225C

NEW!

1/4" & 3/8" TONGUE & GROOVE CUTTERS

Make these door sets more versatile with these replacement groovers. WC220, WC221, and WC224 can accommodate material up to 2-1/4" with the addition of either of these sets. WC222, WC223 and WC226 will cut up to 1-3/4" doors. Use separately or with 1/4" groover supplied with sets.

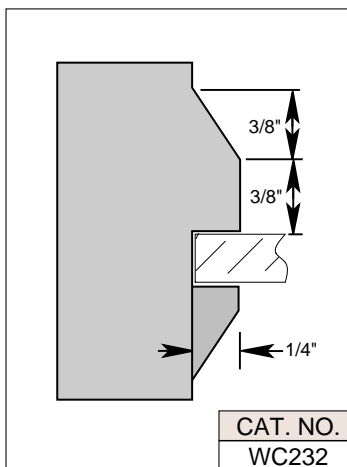
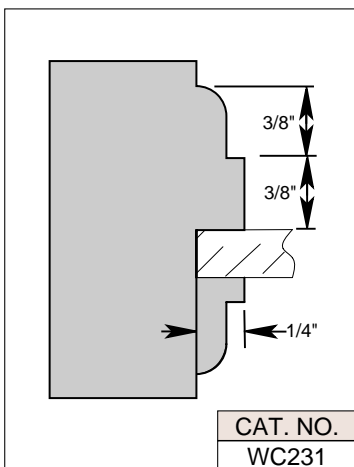
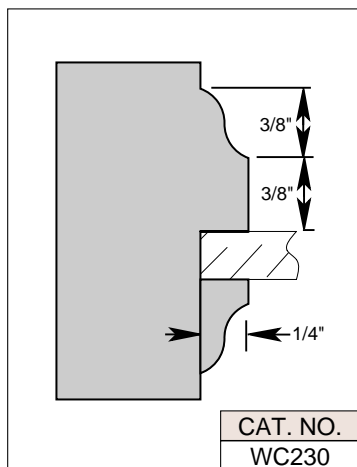
3/8"	3/8"	1/4"	1/4"
S-ALLOY	CARBIDE	S-ALLOY	CARBIDE
WC2238	WC2238C	WC2234	WC2234C



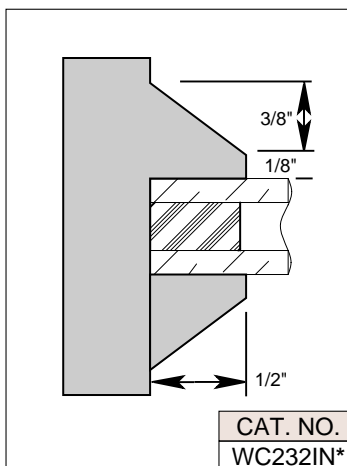
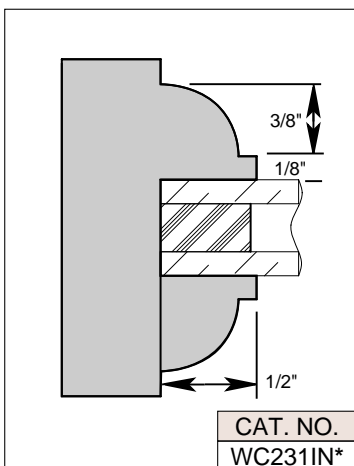
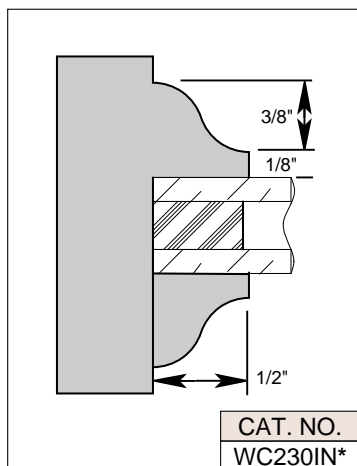
WINDOW SASH CUTTER SETS

S-ALLOY TIPPED.

Schmidt window sash cutter sets use a series of tenons up to 2-1/4" long to produce strong joints in casement and double hung sash. Sets # WC230IN, WC231IN, WC232IN are designed to accommodate insulated glass up to 1/2" thick. Sets WC230, WC231, WC232 are for single strength bead glass. Sticking, rabbeting, and all cope joints shown here can be made with any of our standard sets. Due to the width and depth of cut, a minimum of 5 horse power is recommended for these tools.



- Sets consist of 6 cutters & 1 spacer.
- 1-1/4" bore, 3 wing cutters.
- Use bearing AC115 3-1/2" x 1-1/4" bore for Pattern Shaping.
- Large diameter cope cutters (approx. 7") allow tenons up to 2-1/4" long.
- Can be made with carbide tips. (Special order).
- Sets for different profiles quoted on request.
- Cope cutters can be made to fit your tenoner.



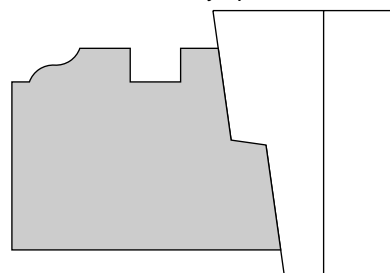
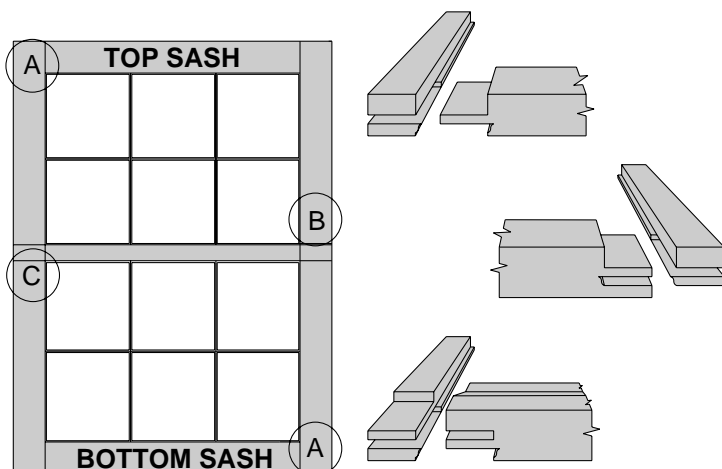
* Indicates Special Order

Hollow mortising chisels and bits available. See page 34

CHECK RAIL CUTTER

For cutting Check Rails on Double Hung Sash with 1/2" or 3/8" Parting Strip.

- 4" Diameter x 1-1/4" Bore, 3 wing.
- These cutters, when combined with our stock Sash Cutters, cut everything you need to produce double hung sash. Tipped with S-Alloy for smooth cutting. (Not included with Window Sash Cutter Sets). Carbide available by special order.



1/2"
CAT. NO.
WC235

3/8"
CAT. NO.
WC236

SPACERS, BUSHINGS, FENCE POST CUTTERS

CARBIDE TIPPED STAGGERED TOOTH STRAIGHT CUTTERS

With true spiral cutting edges

These cutters are used in the fence industry to manufacture pickets and other shaped wooden parts. Includes 1/4" X 1/8" keyway in bore. For Paul Bunyan and Mar-Sal machines.

Call for custom size pricing.

	Spiral CE
SIZES	CAT. NO.
* 2-1/2" dia. x 6" cel x 1" bore	WC416ST
* 2-1/2" dia. x 6" cel x 3/4" bore	WC416ST34

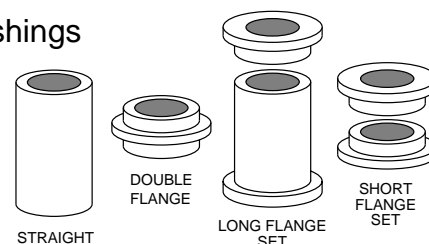
NEW!



BUSHINGS

	1-1/16" Straight	Double Flange	Long Flange	Short Flange
DIMENSIONS	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
1-1/4" OD x 1-1/8" ID	AC200	AC200TD	AC200TL	AC200TS
1-1/4" OD x 1" ID	AC201	AC201TD	AC201TL	AC201TS
1-1/4" OD x 3/4" ID	AC202	AC202TD	AC202TL	AC202TS
1" OD x 3/4" ID	AC203	AC203TD	AC203TL	AC203TS
1-1/2" OD x 1-1/4" ID			AC204TL	AC204TS
1-1/4" OD x 30mm ID			AC280TL	AC280TS
1-1/2" OD x 30mm ID			AC281TL	AC281TS
1-1/2" OD x 35mm ID			AC282TL	AC282TS
40mm OD x 1-1/4" ID			AC283TL	AC283TS
40mm OD x 1-1/2" ID			AC284TL	AC284TS
1 13/16" OD x 1-1/2" ID			AC285TL	AC285TS

Bushings



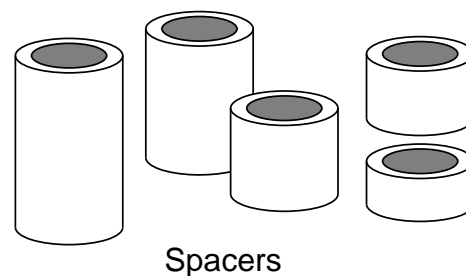
CUSTOM MADE STEEL BUSHINGS & SPACERS

Priced Individually

	Straight, up to 1" Long	Short 1/4" Flange	Long 1" Flange
DIMENSIONS	CAT. NO.	CAT. NO.	CAT. NO.
Up to 1-1/4" OD	AC250	AC250TS	AC250TL
1-1/4" OD to 2" OD	AC251	AC251TS	AC251TL
Over 2" OD to 3" OD	AC252	AC252TS	AC252TL
Over 3" OD to 4" OD	AC253		

SPACER SETS Precision Machined to tight tolerances

DESCRIPTIONS	DIMENSIONS	CAT. NO.
1-1/4" bore, 6 pc. 1 3/4" dia.	1/16", 1/4", 3/8", 1/2", 3/4", 1" long	AC205
1-1/8" bore, 6 pc. 1 3/4" dia.	1/16", 1/4", 3/8", 1/2", 3/4", 1" long	AC206
1" bore 6, pc. 1 1/2" dia.	1/16", 1/4", 3/8", 1/2", 3/4", 1" long	AC207
3/4" bore 6, pc. 1 1/4" dia.	1/16", 1/4", 3/8", 1/2", 3/4", 1" long	AC208
1/2" bore 6, pc. 1 " dia.	1/16", 1/4", 3/8", 1/2", 3/4", 1" long	AC209
1-1/2" bore 6, pc. 2-1/2 " dia.	1/4", 3/8", 1/2", 3/4", 1", 2" long	AC210
40 mm bore 6, pc. 2-1/2 " dia.	1/4", 3/8", 1/2", 3/4", 1", 2" long	AC211



BEARINGS, SHIMS, CLEANER & LUBRICANT



Schmidt offers a full range of accessories to compliment our tools. All are made with the quality and precision you need to get your job done right.

BALL BEARING RUB COLLARS

CUSTOM - MADE TO ORDER

	TYPE A	TYPE B
DIMENSIONS	CAT. NO.	CAT. NO.
2-1/2" or less	AC100	AC103
over 2-1/2" to 3-1/2"	AC101	AC104
over 3-1/2" to 4"	AC102	AC105
over 4" to 5"	AC102A	AC105A
over 5" to 6"	AC102B	



Type A



Type B

STANDARD BALL BEARING RUB COLLAR TYPE A - 1/2" THICK

DIMENSIONS	CAT. NO.
1-5/8" OD x 3/4" bore (7/16" thick)	AC106
1-11/16" OD x 3/4" bore (7/16" thick)	AC107
2-3/16" OD x 3/4" bore (7/16" thick)	AC108
2-15/16" OD x 3/4" bore (7/16" thick)	AC109
3-1/8" OD x 3/4" bore (7/16" thick)	AC109A
2-1/4" OD x 1-1/4" bore	AC110
2-1/2" OD x 1-1/4" bore (5/8" thick)	AC111
2-3/4" OD x 1-1/4" bore	AC112
3" OD x 1-1/4" bore	AC113
3-1/16" OD x 1-1/4" bore	AC113A
3-1/4" OD x 1-1/4" bore	AC114
85mm OD x 1-1/4" bore	AC114A
3-1/2" OD x 1-1/4" bore	AC115
3-3/4" x 1-1/4" bore	AC116
3-7/8" x 1" bore	AC116A
100mm x 1- 1/4" bore	AC116B
4" OD x 1-1/4" bore (weight relieved)	AC117
4-3/8" OD x 1-1/4" bore (weight relieved)	AC118
125mm OD x 1-1/4" bore (weight relieved)	AC125



CUSTOM SHIMS

Shims can be made to order in special sizes. Ask your Schmidt Tooling Specialist for details.

COLOR CODED PLASTIC SHIMS

(For stackable cutter sets)

DESCRIPTIONS	CAT. NO.
Plastic shims 3/4" bore x 1 1/16" dia.	AC504
Plastic shims 1/2" bore x 1 1/16" dia.	AC504A
Plastic shims 1" bore x 2" dia.	AC505
Plastic shims 1-1/8" bore x 2" dia.	AC506
Plastic shims 1-1/4" bore x 2" dia..	AC507
Plastic shims 1-1/2" bore x 2 1/4" dia..	AC508
Plastic shims 40mm bore x 2 1/2" dia..	AC511
Plastic shims 1 13/16" bore x 2 1/2" dia..	AC512

Consists of 48 pieces in clear plastic box. Eight varied sizes ranging from .003" to .030".

SPRAYWAY Saw Cleaner & Dry Lubricant

CAT. NO.	
AC850	SPRAYWAY 836 Saw Cleaner, Pitch & Gum Remover

Spray on and wipe off with cloth. Works in minutes. Use on router bits, shaper cutters, saw blades, etc.



CAT. NO.	
AC855	SPRAYWAY SP295 T1 Dry Coating Lubricant.

This non-oily, non-staining woodworker's lubricant remains dry during use. Extremely slick, T1 will not attract or hold dust or dirt and will not become gummy. Repels oil and water. Reduces friction. Inhibits resin build-up while it prolongs tool life.



SETS FOR PLANERS & JOINTERS HP HSS AND CARBIDE

THIN KNIFE SETS

In stock in Carbide Tipped, High Performance High Speed Steel and Solid Carbide. All of our thin knives are made of the finest quality steels and carbides. Between our pre-packaged sets and our full stock of longer lengths, no one can offer a greater selection.

SIZE	MACHINE	QUAN	HP HSS	CARBIDE TIPPED	SOLID CARBIDE
			CAT. NO.	CAT. NO.	CAT. NO.
4" x 5/8" x 1/8"	Atlas,Boice-Crane, Delta	3	TN600HP	TN600CT	TN600SC
6" x 5/8" x 1/8"	Boice-Crane, Delta	3	TN604HP	TN604CT	TN604SC
6" x 3/4" x 1/8"	Powermatic	3	TN606HP	TN606CT	TN606SC
6-1/8" x 19/32" x 3/32"	Delta Models	3	TN610HP		
8" x 5/8" x 1/8"	Boice-Crane, Delta	3	TN615HP	TN615CT	TN615SC
8" x 3/4" x 1/8"	Powermatic, Pryor	3	TN616HP	TN616CT	TN616SC
8" x 3/4" x 1/8"	Grizzly, Bridgewood	4	TN616AHP	TN616ACT	
8" x 7/8" x 1/8"	Powermatic	3	TN617HP		
8-1/16" x 5/8" x 3/32"	Delta	3	TN620H P		
12" x 7/8" x 1/8"	Parks, Powermatic	3	TN624HP		
12" x 1" x 1/8"	Craftsman	3	TN625HP	TN625CT	
12" x 1-1/4" x 1/8"	Northfield	3	TN626HP	TN626CT	
12-1/4" x 7/8" x 1/8"	Powermatic, Robland	3	TN630HP	TN630CT	
12-1/2" x 3/4" x 1/8"	Foley-Belsaw/Jet	3			
12-1/2" x 11/16" x 1/8"	Foley-Belsaw/Jet	3	TN632HP	TN632CT	
13-1/16" x 5/8" x 1/8"	Delta	3	TN633HP	TN633CT	
13-1/8" x 11/16" x 5/32"	Delta (End Slots)	3	TN634HP	TN634CT	
13-1/8" x 1" x 1/8"	Rockwell	3	TN635HP	TN635CT	TN635SC
15 x 11/16" x 1/8"	Powermatic PM15	3	TN635AHP	TN635ACT	
15" x 1" x 1/8"	Grizzly, Jet, Delta	3	TN6355HP	TN6355CT	
16" x 1" x 1/8"	Jet JWP-16	3	TN636AHP	TN636AACT	
16" x 1-1/4" x 1/8"	Northfield 16 HD	3	TN636HP	TN636CT	
16" x 1-1/4" x 1/8"	Northfield 16 PM	4	TN636BHP	TN636BCT	
16-3/16" x 30mm x 1/8"	SCMI 410	4	TN636AHP	TN636AC	
16-1/4" x 1-1/4" x 5/32"	Powermatic	3	TN637HP	TN637CT	
18" x 1-1/4" x 5/32"	Powermatic	3	TN639HP	TN639CT	
18-1/8" x 1-1/8" x 5/32"	Delta	3	TN640HP		
18-1/4" x 1-1/4" x 5/32"	Powermatic	3	TN641HP	TN641CT	
20" x 1" x 1/8"	Parks, Northstate	4	TN642HP	TN642CT	
20" x 1" x 1/8"	Grizzly, Northwood	3	TN642AHP	TN642AC	
20-1/4" x 1-1/4" x 5/32"	Powermatic	3	TN643HP	TN643CT	
20-1/2" x 30mm x 1/8"	SCMI 552, 550, 520	4	TN643AHP	TN643AC*	
22-1/8 x 1" x 1/8"	Powermatic 201	4	TN644AHP	TN644ACT	
24" x 1-1/4" x 5/32"	Northfield, Powermatic	4	TN644HP	TN644CT	
24-13/16" x 1 3/8" x 1/8"	Delta RC-63, 22-610	4	TN645AHP	TN645ACT*	
25-3/16" x 1-3/8" x 1/8"	SCMI F535, F630	4	TN645HP	TN645CT	

For Knives cut to other sizes, see table on opposite page.

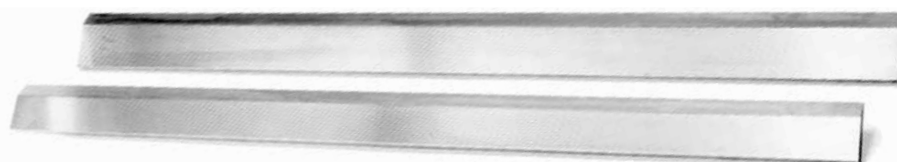
* Available - special order.

There is a small additional charge for knives cut to size. See price list.

CAT. NO.

TNCUT

Our new High Performance High Speed knives are the longest lasting steel knives on the market. Sharper, longer lasting cutting edges.



BAR LENGTHS HP HSS AND CARBIDE



HP HSS and CARBIDE TIPPED : Bar Lengths

Stocked in three lengths, these bars can be cut to size if your set is not listed on opposite page.

Length and type	25" HP	31" HP	37" HP	25" CT	31" CT	37" CT
SIZE	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
5/8" x 1/8"	TN100HP					
3/4" x 1/8"	TN101HP	TN10131HP	TN10137HP			
7/8" x 1/8"	TN102HP					
1" x 1/8"	TN103HP	TN10331HP	TN10337HP	TC103	TC10331*	
1-1/8" x 1/8"	TN104HP	TN10431HP		TC104	TC10431*	
1-1/4" x 1/8"	TN105HP	TN10531HP	TN10537HP	TC105	TC10531	TC10537*
1-3/8" x 1/8"	TN106HP	TN10631HP	TN10637HP	TC106	TC10631	
1-1/2" x 1/8"	TN107HP	TN10731HP	TN10737HP	TC107		
1-1/8" x 5/32"	TN204HP		TN20437HP			
1-1/4" x 5/32"	TN205HP	TN20531HP	TN20537HP	TC205	TC20531*	TC20537*
1-3/8" x 5/32"	TN206HP	TN20631HP	TN20637HP			
1-1/2" x 5/32"	TN207HP	TN20731HP	TN20737HP	TC207	TC20731	
1-3/4" x 5/32"		TN20831HP	TN20837HP			
2" x 5/32"	TN209HP	TN20931HP				

Carbide Tipped Bar Stock

Carbide tipped bar lengths are now a stock item. Several sizes of the most popular thin knives are available from stock ready to equip any straight knife planer with long lasting carbide tipped knives fast. Stocked in 1/8" and 5/32" thickness, 25" and 31" lengths.

* Available - special order

Knives cut to size.

CAT. NO.
TCCUT
per cut

SMOOTH BACK BARS 25" LONG

For planing or profiling. Supplied in M2 or XLW

Bars can be cut to size for an additional charge. TNCUT See price list.

	XLW	M2 HSS
SIZE	CAT. NO.	CAT. NO.
1-1/4" x 3/16"	TN300X	TN300H
1-1/2" x 3/16"	TN301X	TN301H
1-3/4" x 3/16"	TN302X	TN302H
2" x 3/16"	TN303X	TN303H
2-1/4" x 3/16"	TN304X	TN304H
2-1/2" x 3/16"	TN305X	TN305H
1-1/4" x 1/4"	TN400X	TN400H
1-1/2" x 1/4"	TN401X	TN401H
1-3/4" x 1/4"	TN402X	TN402H
2" x 1/4"	TN403X	TN403H
2-1/4" x 1/4"	TN404X	TN404H
2-1/2" x 1/4"	TN405X	TN405H



MAGNETIC PLANNER/JOINTER KNIFE SETTING GAUGES For use on Steel and Carbide knives!!!

GUARANTEED KNIFE TOLERANCE + OR - .002". Decrease set up time by 75% using these tools. Easy to use on any machine

JOINTER JIG

For setting knives up to 8" long.

DESCRIPTION	CAT. NO.
Jointer Jig	AC801
Jointer Jig Carbide	AC801C



PLANNER JIG

For knives up to 10".

Order 2 planer jigs for knives 12" - 20" long.

Order 3 planer jigs for knives over 20" long.

DESCRIPTION	CAT. NO.
Planer Jig	AC802
Planer Jig Carbide	AC802C



NEW!



ROTATING DIAL INDICATOR

ROTOCATOR is used to set all adjustable settings on any planer. (Feed bed rollers, pressure bars and chip breakers). Can also be used to set shaper knives.

DESCRIPTION	CAT. NO.
Rotocator	AC803



PLANNER DUO

Two accurate gauges made from high impact plastic featuring 5 strong magnets per unit. Micro adjustable, this set of gauges is economical and fits all sizes of heads. A wooden case is Included. A great time saver.

DESCRIPTION	CAT. NO.
Planer Duo	AC805

BEVELED EDGE, ROUTER BIT ADAPTERS AND BORING BITS

HEAT TREATED & GROUND 25" BARS

Schmidt Shaper Steel is manufactured from the highest quality steel available. Choose steel thickness based on pattern depth. Our shaper steel is sold in 25" bars only, with or without lockedge, and can be cut to size. Lockedge and cutting are additional charges. Limited amounts of XLW grade are still available. Call for price and availability. (Never grind shapes deeper than 4 times the steel thickness).

DESCRIPTION	CAT. NO.
Lockedge 1 side	SS800
Cutting into pieces	SS802



THICKNESS	WIDTH									
	3/4"	1"	1-1/4"	1-1/2"	1-3/4"	2"	2-1/4"	2-1/2"	2-3/4"	3"
1/4"	SS102H	SS104H	SS106H	SS108H	SS110H	SS112H	SS114H	SS116H		
5/16"	SS202H	SS204H	SS206H	SS208H	SS210H	SS212H	SS214H	SS216H	SS218H	SS220H
3/8"		SS302H	SS304H	SS306H	SS308H	SS310H	SS312H	SS314H	SS316H	SS3180H

ROUTER BIT ADAPTERS

Turn your shaper into a router with our router bit adapters, made for Delta light and heavy duty shapers and Powermatic #26. For router bits with 1/2" and 1/4" shanks.

Adapters	CAT. NO.
Powermatic router bit adapter w/split sleeve	AC300
Delta HD router bit adapter w/split sleeve	AC301
Delta LD router bit adapter w/split sleeve	**AC302
Split sleeve for 1/4" bits	AC303

**Requires false table to lower bit below table height. Not for use on Platinum series machines



DELTA HEAVY DUTY & POWERMATIC 3/4" SHAPER SPINDLES

Heavy Duty 3/4" replacement spindles. Made to manufactures original specifications. Complete with nut and washer. Fits most 2002 and older machines. 43-340, 43-379 and Powermatic Model 26 machines

Descriptions	CAT. NO.
Powermatic Model 26 spindle w/ nut & washer	AC300SA
Delta 3/4" Heavy duty spindle w/ nut & washer	AC301SA
Heavy duty spindle nut	AC301SAN
Heavy duty spindle washer	AC301SAW
3/4" 6 piece spacer set	AC208

NEW!



CARBIDE TIPPED BORING BITS

Brad Point (Dowel) designed for chip free boring for shelf pins and dowels, etc.



60° Point for Thru Bores. V-Point drill designed to eliminate chip out on double sided material.



Diameter	Length	CAT.NO. RH	CAT. NO. LH
5mm	57mm	BBP055R	BBP055L
5mm	70mm	BBP057R	BBP057L
8mm	57mm	BBP085R	BBP085L
8mm	70mm	BBP087R	BBP087L

Diameter	Length	CAT.NO. RH	CAT. NO. LH
5mm	57mm	BBT055R	BBT055L
5mm	70mm	BBT057R	BBT057L
8mm	57mm	BBT085R	BBT085L
8mm	70mm	BBT087R	BBT087L

Hinge Boring Bit with Center Point

Diameter	Length	CAT. NO.
35mm	57mm	BHB0035



TERSA, TERMINUS & CENTROLOCK KNIVES



TERSA, TERMINUS,
CENTROLOCK KNIVES

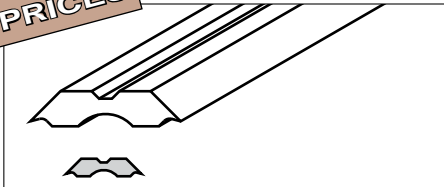
If your application demands constant diameters, long production runs and fast tooling changes, we can supply the latest HSS and Carbide replacement knives.

Terminus, Centrolock and Torsa knives

We now carry replacement HSS and Carbide knives for the most popular constant diameter heads. Terminus, Torsa and Centrolock. Each with their own design for quick changing, these knives are an economical way of keeping your machine running and minimizing downtime. Listed below are the most popular sizes in steel and carbide but all sizes are available. Any HSS Torsa knife not listed can be cut and shipped same day. Knives are not interchangeable.



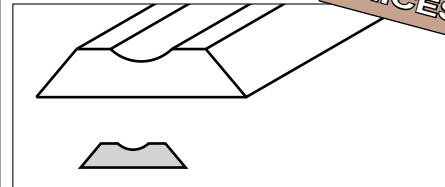
NEW!
LOWER
PRICES



Torsa and Terminus heads are also readily available for many types of moulders and planers. Ask your salesman about heads for your machine.



NEW!
LOWER
PRICES



REPLACEMENT KNIVES FOR TERSA HEADS:

HSS, Carbide & M42

NEW!

	HSS	Carbide	M42
Length	CAT. NO.	CAT. NO.	CAT. NO.
60mm (2.36")	T950060	T960060	T950060M
100mm (3.93")	T950100	T960100	T950100M
120mm (4.72")	T950120	T960120	T950120M
130mm (5.11")	T950130	T960130	T950130M
150mm (5.96")	T950150	T960150	T950150M
180mm (7.08")	T950180	T960180	T950180M
190mm (7.48")	T950190	T960190	T950190M
230mm (9.05")	T950230	T960230	T950230M
240mm (9.44")	T950240	T960240	T950240M
320mm (12.59")	T950320	T960320	T950320M
400mm (15.78")	T950400	T960400	T950400M
410mm (16.14")	T950410	T960410	T950410M
510mm (20.07")	T950510	T960510	T950510M
520mm (20.47")	T950520	T960520	T950520M
630mm (24.80")	T950630	T960630	T950630M
640mm (25.19")	T950640	T960640	T950640M

REPLACEMENT KNIVES FOR WEINIG HEADS:

HSS & Carbide

	HSS	Carbide
Length	CAT. NO.	CAT. NO.
60mm (2.36")	T920060	T921060
100mm (3.93")	T920100	T921100
130mm (5.11")	T920130	T921130
150mm (5.96")	T920150	T921150
190mm (7.48")	T920190	T921190
230mm (9.05")	T920230	T921230
240mm (9.44")	T920240	T921240
270mm (10.62")	T920270	T921270
300mm (11.81")	T920300	T921300
460mm (18.11")	T920460	T921460
650mm (25.59")	T920650	T921650

Sizes not listed for all three types of knives are also available.

REPLACEMENT KNIVES FOR TERMINUS HEADS:

18% Tungsten & Carbide

	Steel	Carbide
Length	CAT. NO.	CAT. NO.
50mm (1.96")	IT9505S	IT9505C
60mm (2.36")	IT9506S	IT9506C
100mm (3.93")	IT9510S	IT9510C
120mm (4.72")	IT9512S	IT9512C
130mm (5.11")	IT9513S	IT9513C
150mm (5.96")	IT9515S	IT9515C
170mm (6.69")	IT9517S	IT9517C
180mm (7.08")	IT9518S	IT9518C
190mm (7.48")	IT9519S	IT9519C
230mm (9.05")	IT9523S	IT9523C
240mm (9.44")	IT9524S	IT9524C
457mm (17.99")	IT9545S	IT9545C
463mm (18.22")	IT9546S	IT9546C
616mm (24.25")	IT9561S	IT9561C
770mm (30.31")	IT9577S	N/A

Call your Schmidt Salesman for price and availability on Torsa and Terminus heads for your moulder, shaper, planer or jointer.

Technical Assistance & Inquiries: 1-201-391-5300 sales@cggsschmidt.com

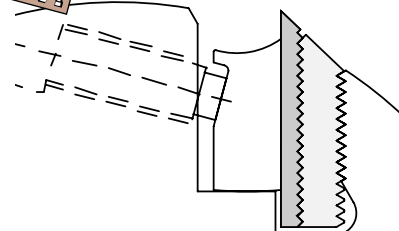
CARBIDE KNIFE SYSTEM

SCHure Lock CARBIDE KNIFE SYSTEM

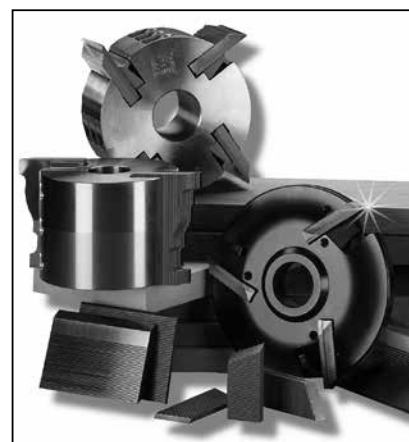
SCHure Lock KNIFE SYSTEM gives you the ability to grind your own carbide straight and profiled knives without grinding steel and carbide at the same time, which can cause the grinding wheel to load and deteriorate prematurely. Interlocking corrugations on both the face of the corrugated steel blank and the back of the solid carbide knife, allow the pieces to be ground separately. Premium C3 micrograin carbide gives superior tool life in tough materials like MDF and abrasive natural woods. The full corrugation design allows more adjustment than other similar products. Available in four widths for planing and profiling. 60° corrugations only. Any SCHure Lock Knives can be custom ground to your profile. Quoted on request.

Cutting Length	38mm Width	50mm Width	60mm Width	70mm width
metric • (inch)	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
10mm (.39")	SL103S	SL105S	SL106S	
20mm (.78")	SL203S	SL205S	SL206S	
30mm (1.18")	SL303S	SL305S	SL306S	SL307S
40mm (1.57")	SL403S	SL405S	SL406S	SL407S
50mm (1.96")	SL503S	SL505S	SL506S	SL507S
60mm (2.36")	SL603S	SL605S	SL606S	SL607S
70mm (2.75")	SL703S	SL705S	SL706S	SL707S
80mm (3.14")	SL803S	SL805S	SL806S	SL807S
90mm (3.54")	SL903S	SL905S	SL906S	SL907S
100mm (3.93")	SL1003S	SL1005S	SL1006S	SL1007S
110mm (4.33")	SL1103S	SL1105S	SL1106S	SL1107S
120mm (4.72")	SL1203S	SL1205S	SL1206S	SL1207S
130mm (5.11")	SL1303S	SL1305S	SL1306S	SL1307S
140mm (5.51")	SL1403S	SL1405S	SL1406S	SL1407S
150mm (5.96")	SL1503S	SL1505S	SL1506S	SL1507S
160mm (6.29")	SL1603S	SL1605S	SL1606S	SL1607S
170mm (6.69")	SL1703S	SL1705S	SL1706S	SL1707S
180mm (7.08")	SL1803S	SL1805S	SL1806S	SL1807S
190mm (7.48")	SL1903S	SL1905S	SL1906S	SL1907S
200mm (7.87")	SL2003S	SL2005S	SL2006S	SL2007S
210mm (8.26")	SL2103S	SL2105S	SL2106S	SL2107S
220mm (8.66")	SL2203S	SL2205S	SL2206S	SL2207S
230mm (9.05")	SL2303S	SL2305S	SL2306S	SL2307S
240mm (9.44")	SL2403S	SL2405S	SL2406S	SL2407S
250mm (9.84")	SL2503S	SL2505S	SL2506S	SL2507S
310mm (12.20")	SL3103S	SL3105S	SL3106S	SL3107S

NEW!



Fits in all types of cutter heads capable of accepting 10mm thick knives. Interlocking corrugations ensure a SCHure Lock fit.



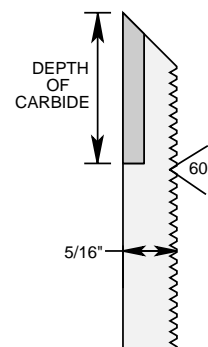
NEW!

See page 16 for diamond, CBN and vitrified grinding wheels.

CARBIDE TIPPED OR S-ALLOY TIPPED CORRUGATED BACK KNIVES For planing and profiling

NEW!

LENGTH OF CUTTING EDGE	1/2" INLAY 1-1/4" HEIGHT	1/2" INLAY 1-1/2" HEIGHT	3/4" INLAY 1-3/4" HEIGHT	1" INLAY 2" HEIGHT	1 3/8" INLAY 2 1/2" HEIGHT
	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
2"	CT400A	CT400A5	CT401A	CT402A	CT403A
4"	CT400B	CT400B5	CT401B	CT402B	CT403B
6"	CT400C	CT400C5	CT401C	CT402C	CT403C
7"		CT40057			
9"	CT400D	CT400D5	CT401D	CT402D	CT403D
9.44"		CT400E5			
25"		CT4005	CT401	CT402	CT403



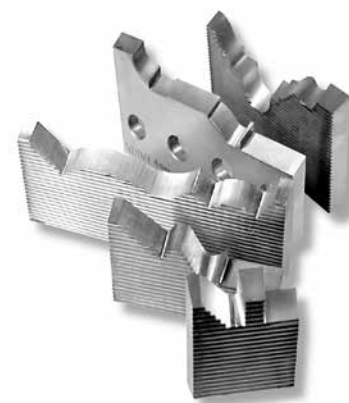
Knives can be cut to size from above. See price list. CAT NO. CTCUT. 16-60° corrugations standard. Replace CT with ST for S-Alloy part numbers. S-Alloy tipped may have 1 seam on 9" knives.

CORRUGATED AND WILLIAMS & HUSSEY



CORRUGATED BACK STEEL BARS. 25" long, 60° Corrugations

Our corrugated and Williams & Hussey bars are made of quality steels, accurately heat treated and precision ground for optimum results. For standard and custom ground corrugated back profile knives. See our standard profile knives on pages 21-28



Ask about our custom knife grinding service for all types of knives. Bars may be cut to any size.

Cutting charge per cut.

CAT. NO.
CBCUT

For grinding room supplies go to page 16-17

		NEW!	NEW!		
	M2 HIGH SPEED STEEL	XLW HP	XLW HP 3/8" Thick	*T1 HIGH SPEED STEEL	M3 CB STEEL
SIZE	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
1-1/4" x 1/4"	CB841H6	CB101X6			
1-1/2" x 1/4"	CB842H6	CB102X6		CB102T6	
1-3/4" x 1/4"	CB843H6	CB103X6		CB103T6	
2" x 1/4"	CB844H6	CB104X6		CB104T6	
2-1/4" x 1/4"	CB845H6	CB105X6		CB105T6	
2-1/2" x 1/4"	CB846H6	CB106X6		CB106T6	
1-1/4" x 5/16"	CB851H6	CB201X6			CB201M6
1-1/2" x 5/16"	CB852H6	CB202X6		CB202T6	CB202M6
1-3/4" x 5/16"	CB853H6	CB203X6		CB203T6	CB203M6
2" x 5/16"	CB854H6	CB204X6		CB204T6	CB204M6
2-1/4" x 5/16"	CB855H6	CB205X6		CB205T6	CB205M6
2-1/2" x 5/16"	CB856H6	CB206X6	CB236X6	CB206T6	CB206M6
2-3/4" x 5/16"	CB857H6	CB207X6	CB237X6	CB207T6	CB207M6
3" x 5/16"	CB858H6	CB208X6	CB238X6	CB208T6	
3-1/4" x 5/16"	CB859H6	CB209X6	CB239X6		
3-1/2" x 5/16"	CB860H6	CB210X6	CB240X6		

STEEL FILLER BARS 25" LONG

SIZE	CAT. NO.
25" x 13/16" x 5/16" 60°Corr.	CB4106
25" x 13/16" x 1/4" 60°Corr.	CB4116
25" x 13/16" x 3/8" 60°Corr.	CB4126
25" x 13/16" x 10mm 60°Corr.	CB4136

Stabilize your cutter heads by filling all pockets. For all cutter heads when not filling all pockets with knives. 16-60° corrugations. Bars can be cut to size for an additional charge.

NEW!

WILLIAMS & HUSSEY STEEL BARS 25" LONG for the Williams & Hussey Molder and similar machines

M-2 and XLW HP grades. • With cutting edge • Our bars are now also available with 16-60° corrugations for use in corrugated knife heads, Williams & Hussey heads and Williams & Hussey machines. (see page 30,54) *All corrugated bars are 1/4" thick.



W&H AND SHOP FOX KNIVES SHAPER HEADS



See Page 30 for available sizes and specifications

	M2 HIGH SPEED STEEL	Corrugated M2	XLW HP	Corrugated XLW HP
SIZE	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.
1-3/4" x 3/16"			WH600X	
2" x 1/4"	WH601H	WH601HCB	WH601X	WH601XCB
2-1/4" x 1/4"	WH602H	WH602HCB	WH602X	WH602XCB
2-1/2" x 1/4"	WH603H	WH603HCB	WH603X	WH603XCB

STRAIGHT KNIVES FOR PROFILING for the Williams & Hussey

HEIGHT	CUTTING EDGE					
	1-7/8"	2-7/8"	3-7/8"	4-7/8"	5-7/8"	7"
	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.
2" or less	WH622	WH623	WH624	WH625	WH626	WH627
2-1/4"	WH632	WH633	WH634	WH635	WH636	WH637
2-1/2"	WH642	WH643	WH644	WH645	WH646	WH647

- M-2 Grade for long wear.
- Custom ground knives quoted on request.
- See pages 21 thru 28 for our standard profiles.
- Sold in pairs.

• Standard Straight Planing Knives 7" x 1 1/2" x 1/4"

CAT. NO.
WH621

GRINDING WHEELS

GRINDING WHEELS For Profile Grinding Machines.

Formulated and tested in our own grinding department by our grinding experts these wheels perform nicely in both hogging and finish grinding operations. Whether you're grinding, high speed steel, carbide or S-Alloy tipped knives and cutters you will be pleased with the performance of our wheels. Our most popular grinding wheels are now available in ceramic. Grind longer and get a better finish.

V = Vitrified Aluminum Oxide (specialty formulated for grinding Schmidt XLW HP, M2, M3 and T1 knife steel)

C = Vitrified Ceramic Aluminum Oxide (for longer wheel life and better finishes)

D = Diamond (for grinding carbide profile and straight knives)

B = Borazon (CBN) (for grinding HS Steels and S-Alloy knives and cutters).

MACHINE	SIZE	TYPE	GRIT	CAT. NO.	BOX
Weinig	225mm x 5mm x 60mm	V	54(white)	GW100	10
Weinig	225mm x 5mm x 60mm	V	46 (pink)	GW101	10
Weinig	225mm x 5mm x 60mm	V	100	GW105	10
Weinig	225mm x 5mm x 60mm	C	46	GW112	10
Wadkin	9" x 3/16" x 1-1/4"	V	54	GW115	10
Wadkin, Foley	8" x 1/8" x 1-1/4"	V	54	GW130	10
Utma, Foley, Diehl, Oliver	10" x 1/4" x 1-1/4"	V	54	GW200	10
Utma, Foley, Diehl, Oliver	10" x 1/8" x 1-1/4"	V	54	GW205	10
Utma, Foley, Diehl, Oliver	10" x 1/8" x 1-1/4"	C	46	GW205C	5
Weinig	8" x 3/16" x 60mm	D-Square	180	GW300	1
Weinig	8" x 3/16" x 60mm	D-Radius	180	GW305	1
Weinig	8" x 4mm" x 60mm	D-Radius	220	GW321	1
Weinig	8" x 1/16" x 60mm	D-Radius	220	GW322	1
Weinig	8" x 2mm X 60mm	B-Radius	120	GW343C	1
Weinig	8" x 2mm X 60mm	B-Square	120	GW344C	1
Weinig	8" x 1mm X 60mm	B-Radius	120	GW345C	1
Weinig	8" x 4mm X 60mm	B-Radius	120	GW346C	1
Weinig	8" x 2mm X 60mm	B-Radius	150	GW347C	1
Aluminum bushing to reduce above 60mm bore wheels to 1 1/4"	60mm dia. x 1/8" x 1 1/4"	n/a	n/a	GW140	1
Cut Off Wheel	14" x 3/32" x 1"	n/a	n/a	GW150	1



NEW!

NEW!

SCHure LOCK CARBIDE KNIFE SYSTEM GRINDING WHEELS

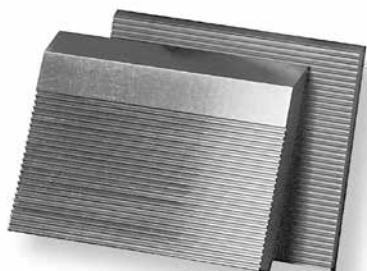
Using these three wheels your SCHure Lock carbide knives will come out perfect every time. Can also be used to grind Bak-Pak and Double Back systems. Made for Weinig knife grinders.

Cat No. GW100. 225 X 5mm x 60mm bore. For roughing and finishing the steel backing.

Cat No. GW321 8" x 4mm x 60mm bore. For roughing out the carbide.

Cat No. GW322 8" x 1/16" x 60mm bore. For finishing the carbide.

See Page 14 for SCHure Lock sizes and part numbers



TEMPLATE MATERIAL, BED LUBE, COOLANT



TEMPLATE MATERIAL

DESCRIPTION	CAT. NO.
3" x 24" Template steel	AC501
3" x 24" Template plastic	AC501P
4" x 24" Template steel	AC5014
4" x 24" Template plastic	AC5014P

We now have 3/16" thick plastic as well as our .050 thick blue tempered steel template material. Perfect for template machines or easily formed by hand. Ask us about our custom made plastic templates made to your drawing, wood sample or DXF file. Templates are made from 3/16" thick acrylic. Aluminum and steel templates quoted on request.

MOULDER BED LUBE

(Oil based moulder lubricant)

An oil based material which is fortified with oxidation, rust and foam inhibitors to give excellent performance as a friction reducer and lubricant. It can be applied by injection, brushing or spray. A minimal oily film is left on the metal to allow for movement of lumber or wood by-products without resistance.

DESCRIPTION	CAT. NO.
1 gallon container	AC910
5 gallon container	AC912
55 gallon drum	AC91255

NEW!



GRINDING COOLANT (For use with all profile grinders)

Improve your grinders performance by using our coolant. Improves finish, slows down wheel loading, prevents rust. Available in 1, 4 and 55 gallon containers. Mix approximately 35 to 1 for best performance and use a refractometer to maintain correct mixture.

DESCRIPTION	CAT. NO.
1 gal. container (35 to 1 concentration)	AC900
4 gal. Box (4 gallons)	AC9004
55 gallon drum	AC90055

NEW!



DIAMOND DRESSERS We stock single point diamond dressers to fit most Weinig profile grinders. We also have hand-held dressers to use on bench grinders and other machines.

DESCRIPTION	CAT. NO.
Non threaded for 930 thru 936	AC902
Threaded for 925, 934N, 950, 960	AC903
7/16 Dia x 4 1/2 long ct hand held	AC906



NEW!

GRINDER PINS FOR WEINIG GRINDERS Manufactured on our CNC lathes and mills, these pins are made from alloy steel and are case hardened to provide extra long life. We suggest using a lubricant to prevent drag as pin rides against the template. Custom sizes can also be made to your specifications

SIZE	CAT. NO.
1mm	AC921
2mm	AC922
3mm	AC923
4mm	AC924
5mm	AC925
6mm	AC926



PANEL, SCORING, MITER & CHOP

We are proud to introduce our expanding line of High Quality Saw Blades. Our High Quality Blades will give an extremely fine cut on all types of materials used in high quality woodworking shops. Ask us about our new laser cut, low noise saw plates. Anti-vibration saw blades at economical prices.

PANEL SAW BLADES High Quality

Precision ground and made for all popular panel saws. Find main blades here and matching scoring blades below.

PANEL SAWS	DIA.	No. TEETH	KERF	BORE	TCG GRIND	SPECS.
					CAT. NO.	
Holz-her	220mm	64		30mm	SBPS226	(2) 7mm pinholes on 42mm bolt circle
Holz-her	220mm	64		30mm	SBPS226A	(2) 7mm pinholes on 42mm bolt circle
Striebig	300mm	60		30mm	SBPS306	
Altendorf/SCMI	300mm	72		30mm	SBPS307	(2) 10mm pinholes on 60mm bolt circle
Striebig/Holz-her	300mm	100		30mm	SBPS310	
Striebig	300mm	100		30mm	SBPS313	(2) 10mm pinholes on 60mm bolt circle
Striebig/Holz-her	300mm	100		30mm	SBPS314●*	2 Combination pin holes for 35mm to 70mm bolt circle
Various tablesaws	300mm	100		1"	SBPS315	
SCMI	350mm	72	4.4mm	80mm	SBPS357A	(2) 7mm pinholes on 110mm bolt circle
Giben,SCMI	350mm	72		30mm	SBPS357B	
Altendorf/SCMI	350mm	72		30mm	SBPS357C	(2) 10mm pinholes on 60mm bolt circle
Schelling	400mm	60		30mm	SBPS406	
Giben	400mm	60		75mm	SBPS416	
Schelling	400mm	72	4.4mm	30mm	SBPS407	
Giben	400mm	72		75mm	SBPS417	
Selco	450mm	72	4.8mm	80mm	SBPS457	(2) 9mm pinholes on 130mm bolt circle

*30° ATB Grind

SCORING SAW BLADES High Quality

These blades are used on panel saws with separate scoring blades for chip free cuts on both sides of double sided laminates. Sizes to match main blades above.

	DIA.	No. TEETH	KERF	BORE	CONICAL GRIND	SPECS.
					CAT. NO.	
Altendorf/Striebig	100mm	2x10	.110/.141"	22mm	SBS10X2	
SCMI/Martin	120mm	24	4.3/5.3mm	5/8"	SBS1224	
Altendorf	120mm	2x12	.110/.141"	22mm	SBS12X2	
Giben	125mm	24	4.3/5.3mm	5/8"	SBS1225	
Schelling	150mm	24	4.3/5.3mm	5/8"	SBS1524	
SCMI	160mm	36	4.3/5.3mm	55mm	SBS1636	(2) 7mm pinholes on 66mm bolt circle
Schelling	200mm	34	4.3/5.3mm	20mm	SBS2034	
Holzma	200mm	36	4.7/5.7mm	45mm	SBS2036A	
Selco	200mm	36	4.7/5.7mm	65mm	SBS2036B	(2) 9mm pinholes on 110mm bolt circle
Schelling	200mm	36	4.3/5.3mm	20mm	SBS2036C	

MITER & CHOP SAW BLADES

High Quality

Specially designed for smooth, chip free cutting without kickback on all chop and miter saws.

	DIA.	No. TEETH	KERF	BORE	ATB W/ RAKER
					CAT. NO.
Dewalt Sidekick	6 1/2"	40	.094"	5/8"	SBCS640
Delta & Sears	8 1/4"	60	.094"	5/8"	SBCS740
Dewalt,Ryobi,Hitachi	8 1/2"	60	.094"	5/8"	SBCS860●
Delta	9"	80	.109"	5/8"	SBCS980
Hitachi,Makita,Ryobi	10"	80	.109"	5/8"	SBCS108●
Hitachi,Makita,Sears	12"	80	.125"	1"	SBCS128●
Makita,Ryobi	14"	100	.125"	1"	SBCS141
Hitachi	15"	100	.094"	1"	SBCS151

● Our most popular blades are now made with new Low Noise, Laser Cut Saw Plates for noise reduction. Ask us about our new band saw blades on page 20. We have blades for all types of machines.



CUT OFF, TRIM, RIP, DADO & COMBINATION



CUT OFF AND TRIM SAWS High Quality

For hard wood, soft wood, plywood, veneer, panel, flakeboard, fiberboard, and masonite. ATB grind recommended for fine chip free cutting. Triple Chip grind recommended for abrasive materials such as flakeboard.

DIA.	No. TEETH	KERF	ARBOR	TCG GRIND	ATB GRIND
				CAT. NO.	CAT. NO.
10"	40	.125	5/8"	SBCO532●	SBCO504
10"	60	.125	5/8"	SBCO534●	SBCO506●
10"	80	.125	5/8"	SBCO536A	SBCO508●
12"	60	.135	1"	SBCO539●	SBCO511●
12"	80	.135	1"	SBCO541A	SBCO513●
14"	60	.156	1"	SBCO544	SBCO516
14"	80	.156	1"	SBCO546	SBCO518
16"	60	.156	1"	SBCO549	SBCO521
16"	80	.156	1"	SBCO551	SBCO523

NEW!

NEW!

DADO SETS High Quality

For use on table or radial arm saws and double end tenoners.

DIA.	STD BORE SIZE	MAX WIDTH OF CUT	No. TEETH	CAT. NO.
8"	5/8" x 1"	1/4" x 13/16"	24	SBDS914
10"	5/8" x 1"	1/4" x 13/16"	24	SBDS912
12"	1"	1/4" x 13/16"	24	SBDS913

Other diameter and widths of cuts available.

RIP SAWS High Quality

For ripping hard and soft woods.

DIA.	No. TEETH	KERF	ARBOR	STG GRIND POWER FEED
				CAT. NO.
10"	24	.140	5/8"	SBR308
12"	24	.175	1"	SBR309●
14"	24	.175	1"	SBR312
14"	36	.175	1"	SBR313
16"	36	.190	1"	SBR314



DOUBLE FACE LAMINATE SAWS High Quality

For cutting Melamine and Formica panels.

DIA.	PLATE THICKNESS	KERF	BORE	HOOK	No. TEETH	30° ATB GRIND
						CAT. NO.
8"	.085	.115	5/8"	-5°	60	SBDF100
10"	.085	.115	5/8"	-5°	80	SBDF101●
12"	.095	.125	1"	-5°	100	SBDF102●
14"	.120	.150	1"	-5°	100	SBDF103
16"	.120	.150	1"	-5°	120	SBDF104

GLUE LINE RIP BLADES High Quality

Smooth cut for all glue line applications.

DIA.	No. TEETH	KERF	ARBOR	TCG GRIND
				CAT. NO.
10"	30	.145	5/8"	SBR307●
12"	30	.135	1"	SBR311●
14"	36	.170	1"	SBR316
16"	36	.170	1"	SBR317

COMBINATION SAWS High Quality

An all around saw ideal for small woodworking or cabinet shops where one saw is used for all types of cutting.

DIA.	No. TEETH	KERF	ARBOR	ATB GRIND
				CAT. NO.
10"	50	.125	5/8"	SBCO533●
14"	70	.110	1"	SBCO548
16"	80	.120	1"	SBCO550

SOLID SURFACE BLADES High Quality

For the smoothest cutting on solid materials such as TopStone®, Corian® and other solid surface materials. Special clearances allow for the smoothest cut on these materials, and give a finish which requires virtually no sanding or polishing. TC-45 Grind

DIA.	PLATE THICKNESS	KERF	BORE	HOOK	No. TEETH	TC - 45 GRIND
						CAT. NO.
8"	.086	.110	5/8"	-2°	60	SBSS100
10"	.086	.110	5/8"	-2°	80	SBSS101●
12"	.095	.117	1"	-2°	100	SBSS102●
220mm	.080	.102	30mm	-5°	64	SBSS103
300mm	.085	.115	30mm	-5°	100	SBSS104

● Our most popular blades are now made with new Low Noise, Laser Cut Saw Plates for noise reduction. Ask us about our new band saw blades on page 20. We have blades for all types of machines.

CARBON WOOD PRODUCTION & GENERAL PURPOSE

Ideal for wood production cutting as well as short production/maintenance applications using low alloy steel & non-ferrous metals

These carbon steel blades are manufactured from a single piece of high carbon steel with individually hardened tooth tips. The flexible back makes them more fatigue resistant. These blades are a perfect, all around band saw blade for all woodworking shops. Carbide tipped and Bi Metal blades are readily available.

NEW!

	NUMBER OF TEETH & BLADE TYPE																							
	4	6	8	10	12	14	18	24	8	10	12	14	18	24	32	2	3	4	6	2	3	4	6	
INCHES	STANDARD RAKER								STANDARD WAVY								HOOK				SKIP			
1/4" X.025"			▼	▼	▼	▼	▼	▼							▼			▼	▼			▼	▼	
3/8" X.025"			▼	▼		▼	▼	▼							▼		▼	▼	▼		▼	▼		
1/2" X.025"	▼	▼	▼	▼		▼	▼	▼		▼		▼	▼	▼	▼		▼	▼	▼		▼	▼		
5/8" X.032"			▼	▼		▼	▼			▼		▼					▼	▼	▼		▼	▼		
3/4" X.032"		▼	▼	▼	▼	▼	▼		▼	▼	▼	▼	▼			▼	▼	▼	▼		▼	▼		
1" X.035"		▼	▼	▼		▼				▼		▼					▼	▼	▼	▼	▼	▼		



HEF CARBON HARD EDGE, FLEXIBLE BACK						Weld to length pricing	
Band Width (Thickness)	1/4" (.025")	3/8" (.025")	1/2" (.025")	5/8" (.032")	3/4" (.032")	1" (.035)	1 1/4" (.035)
Length							
7'	BS107014	BS107038	BS107012	BS107058	BS107034	BS107010	BS1070125
7'6"	BS107514	BS107538	BS107512	BS107558	BS107534	BS107510	BS1075125
8'	BS108014	BS108038	BS108012	BS108058	BS108034	BS108010	BS1080125
8'6"	BS108514	BS108538	BS108512	BS108558	BS108534	BS108510	BS1085125
9'	BS109014	BS109038	BS109012	BS109058	BS109034	BS109010	BS1090125
9'6"	BS109514	BS109538	BS109512	BS109558	BS109534	BS109510	BS1095125
10'	BS110014	BS110038	BS110012	BS110058	BS110034	BS110010	BS1100125
10'6"	BS110514	BS110538	BS110512	BS110558	BS110534	BS110510	BS1105125
11'	BS111014	BS111038	BS111012	BS111058	BS111034	BS111010	BS1110125
11'6"	BS111514	BS111538	BS111512	BS111558	BS111534	BS111510	BS1115125
12'	BS112014	BS112038	BS112012	BS112058	BS112034	BS112010	BS1120125
12'6"	BS112514	BS112538	BS112512	BS112558	BS112534	BS112510	BS1125125
13'	BS113014	BS113038	BS113012	BS113058	BS113034	BS113010	BS1130125
13'6"	BS113514	BS113538	BS113512	BS113558	BS113534	BS113510	BS1135125
14'	BS114014	BS114038	BS114012	BS114058	BS114034	BS114010	BS1140125
14'6"	BS114514	BS114538	BS114512	BS114558	BS114534	BS114510	BS1145125
15'	BS115014	BS115038	BS115012	BS115058	BS115034	BS115010	BS1150125
15'6"	BS115514	BS115538	BS115512	BS115558	BS115534	BS115510	BS1155125
16'	BS116014	BS116038	BS116012	BS116058	BS116034	BS116010	BS1160125
16'6"	BS116514	BS116538	BS116512	BS116558	BS116534	BS116510	BS1165125
17'	BS117014	BS117038	BS117012	BS117058	BS117034	BS117010	BS1170125
17'6"	BS117514	BS117538	BS117512	BS117558	BS117534	BS117510	BS1175125
18'	BS118014	BS118038	BS118012	BS118058	BS118034	BS118010	BS1180125
18'6"	BS118514	BS118538	BS118512	BS118558	BS118534	BS118510	BS1185125
19'	BS119014	BS119038	BS119012	BS119058	BS119034	BS119010	BS1190125
19'6"	BS119514	BS119538	BS119512	BS119558	BS119534	BS119510	BS1195125
20'	BS120014	BS120038	BS120012	BS120058	BS120034	BS120010	BS1200125
20'6"	BS120514	BS120538	BS120512	BS120558	BS120534	BS120510	BS1205125
21'	BS121014	BS121038	BS121012	BS121058	BS121034	BS121010	BS1210125
21'6"	BS121514	BS121538	BS121512	BS121558	BS121534	BS121510	BS1215125
22'	BS122014	BS122038	BS122012	BS122058	BS122034	BS122010	BS1220125

AT-A-GLANCE

- Flexible backs are fatigue-resistant
- Individually hardened teeth
- Can be run at speeds up to 15,000 SFM (Surface Feet Per Minute)
- Low cost-per-blade/low cost-per-cut in wood. Higher cost-per-cut in metal

APPLICATIONS

- Wood
- Plastic
- Cork
- Composition Board
- Plywood
- Aluminum
- Non-ferrous metals
- Low alloy steel

STANDARD PROFILE KNIVES

Now you can pick the cutter head and the cutters you need from the same handy piece of literature. These profiles are in stock for immediate shipment and can also be incorporated into other types of tooling such as carbide, S-Alloy tipped cutters and knives, or Schure Lock knives.

Over 170 profiles in stock for Corrugated heads, Shop Fox and Williams & Hussey machines.

All made from Schmidt M2 High Speed Steel.

Ask us about our other quality, corrugated back steels in M3, XLW HP, T-1 and

Wear Resistant Schmidt Super Steel for short runs in abrasive material.

See available heads on pages 30-31.

These knives are kept in stock for 60 degree corrugated heads and Shop Fox and Williams & Hussey Molders and are ready for immediate shipment. Prices shown are per pair. Please specify with **CB** for corrugated back or **WH** for use on the Williams & Hussey/**Shop Fox**. eg: **CBDY45** or **WHDY45**.

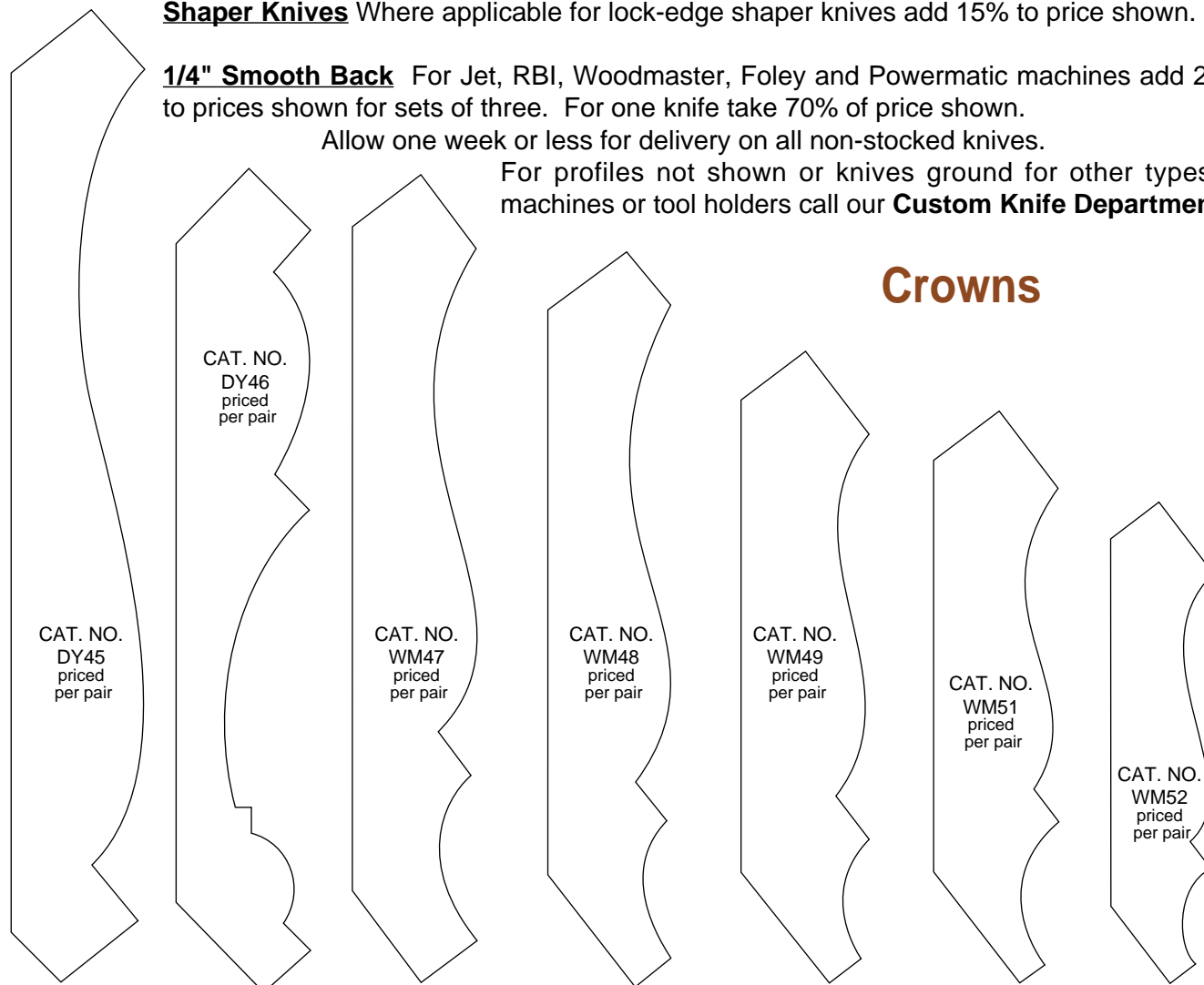
These profiles can also be ground for use in other types of tool holders and machines.

Shaper Knives Where applicable for lock-edge shaper knives add 15% to price shown.

1/4" Smooth Back For Jet, RBI, Woodmaster, Foley and Powermatic machines add 20% to prices shown for sets of three. For one knife take 70% of price shown.

Allow one week or less for delivery on all non-stocked knives.

For profiles not shown or knives ground for other types of machines or tool holders call our **Custom Knife Department**.



Crowns

BEDS, COVES, STOOLS, BASE SHOES

Crowns

CAT.NO.
WM53
priced
per pair

CAT.NO.
WM58
priced
per pair

CAT.NO.
WM54
priced
per pair

CAT.NO.
WM59
priced
per pair

CAT.NO.
WM57
priced
per pair

CAT.NO.
WM67
priced
per pair

CAT.NO.
WM68
priced
per pair

38 and 52 degree angle knives available for back cuts on crown and bed mouldings. See page 28.



Beds

CAT.NO.
WM70
priced
per pair

CAT.NO.
WM74
priced
per pair

CAT.NO.
WM75
priced
per pair

Coves

CAT.NO.
WM81
priced
per pair

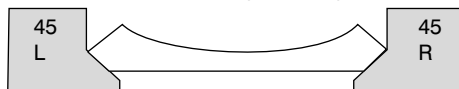
CAT.NO.
WM82
priced
per pair

CAT.NO.
WM84
priced
per pair

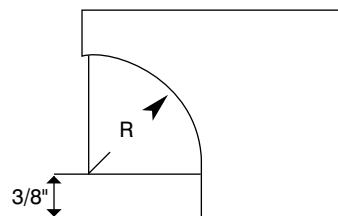
CAT.NO.
WM86
priced
per pair

CAT.NO.
WM89
priced
per pair

45 degree angle knives available for back cuts on cove mouldings. See page 28.



Quarter Rounds



Radius	CAT.NO.
1 1/4"	WM102 /pr
1 1/16"	WM103 /pr
1"	WM104 /pr
3/4"	WM105 /pr
11/16"	WM106 /pr
5/8"	WM107 /pr
1/2"	WM108 /pr
3/8"	WM109 /pr
1/4"	WM110 /pr

Stools

CAT.NO.
WM116
priced
per pair

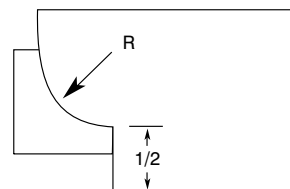
CAT.NO.
WM119
priced
per pair

Base Shoes

CAT.NO.
WM126
priced
per pair

CAT.NO.
WM127
priced
per pair

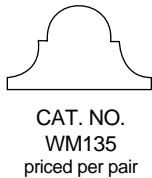
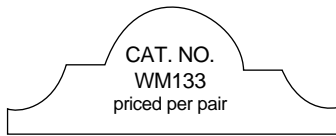
Coves



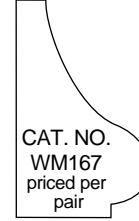
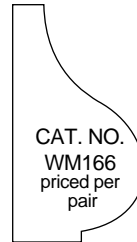
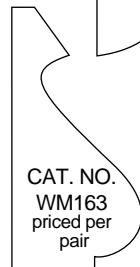
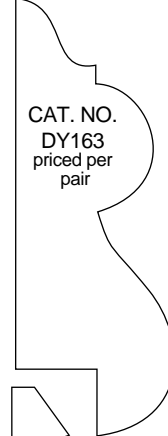
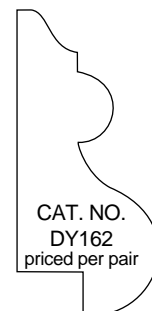
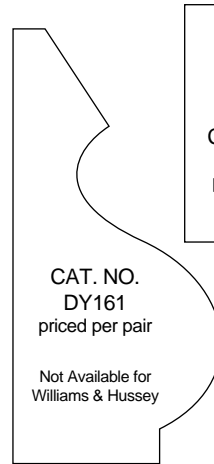
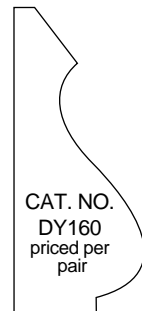
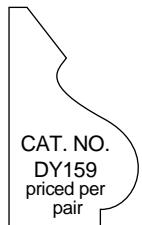
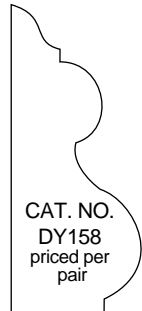
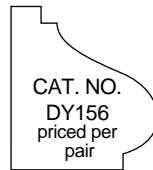
Radius	CAT.NO.
3/4"	WM93
5/8"	WM94
9/16"	WM95
1/2"	WM96
7/16"	WM100
3/8"	WM101

* Profiles conform to WM series patterns

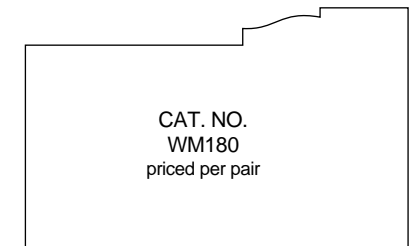
Flat Astragals



Base Mouldings/Caps



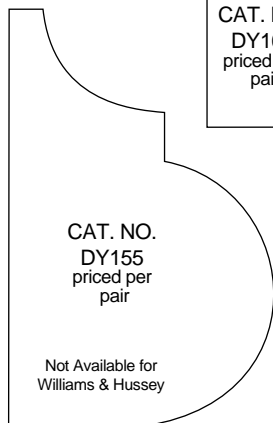
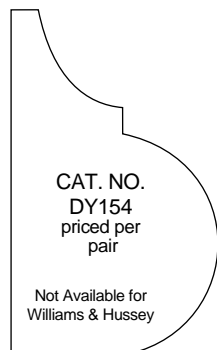
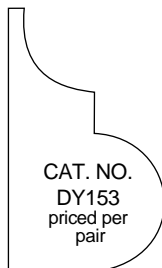
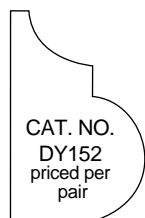
Brick Moulding



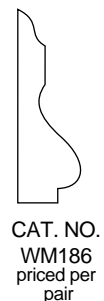
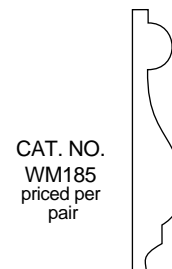
Glass Beads



Nosing and Cove

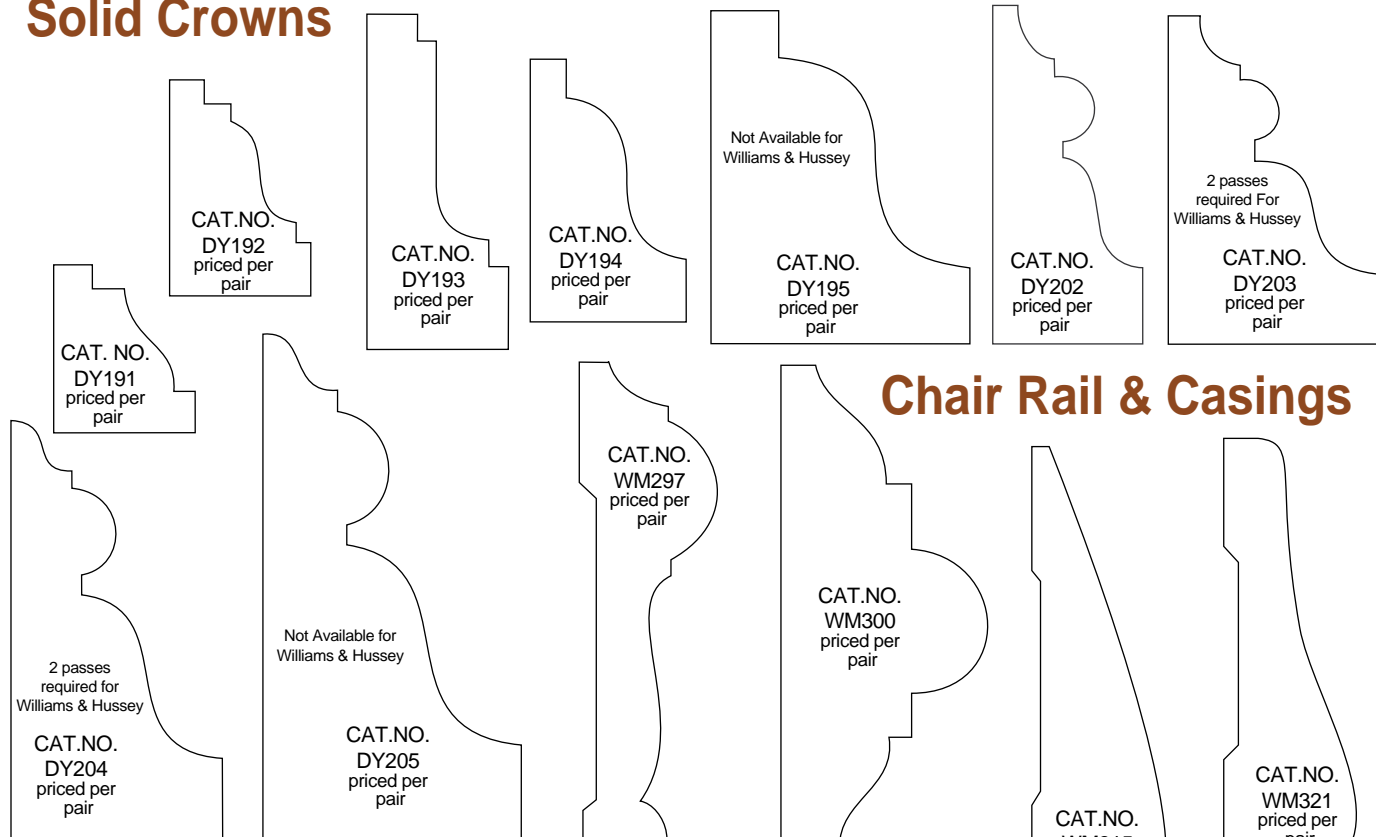


Panel Mouldings



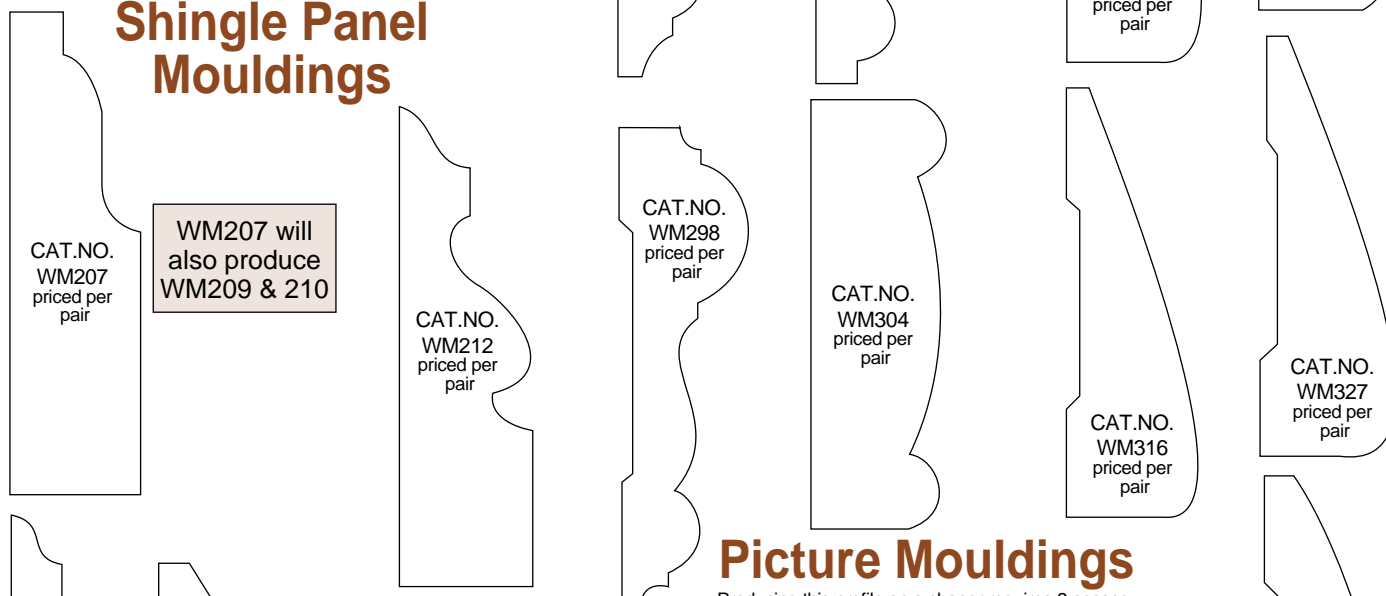
PICTURE, CHAIR, CASING, SHINGLE

Solid Crowns



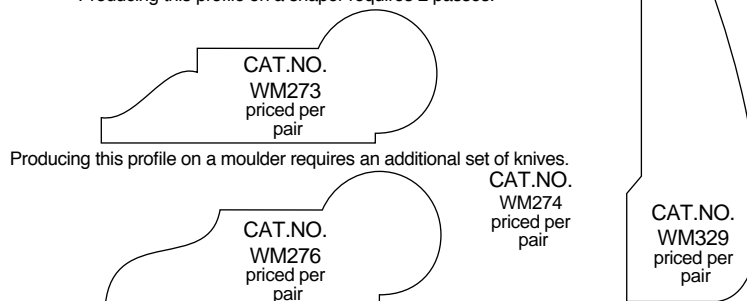
Chair Rail & Casings

Shingle Panel Mouldings



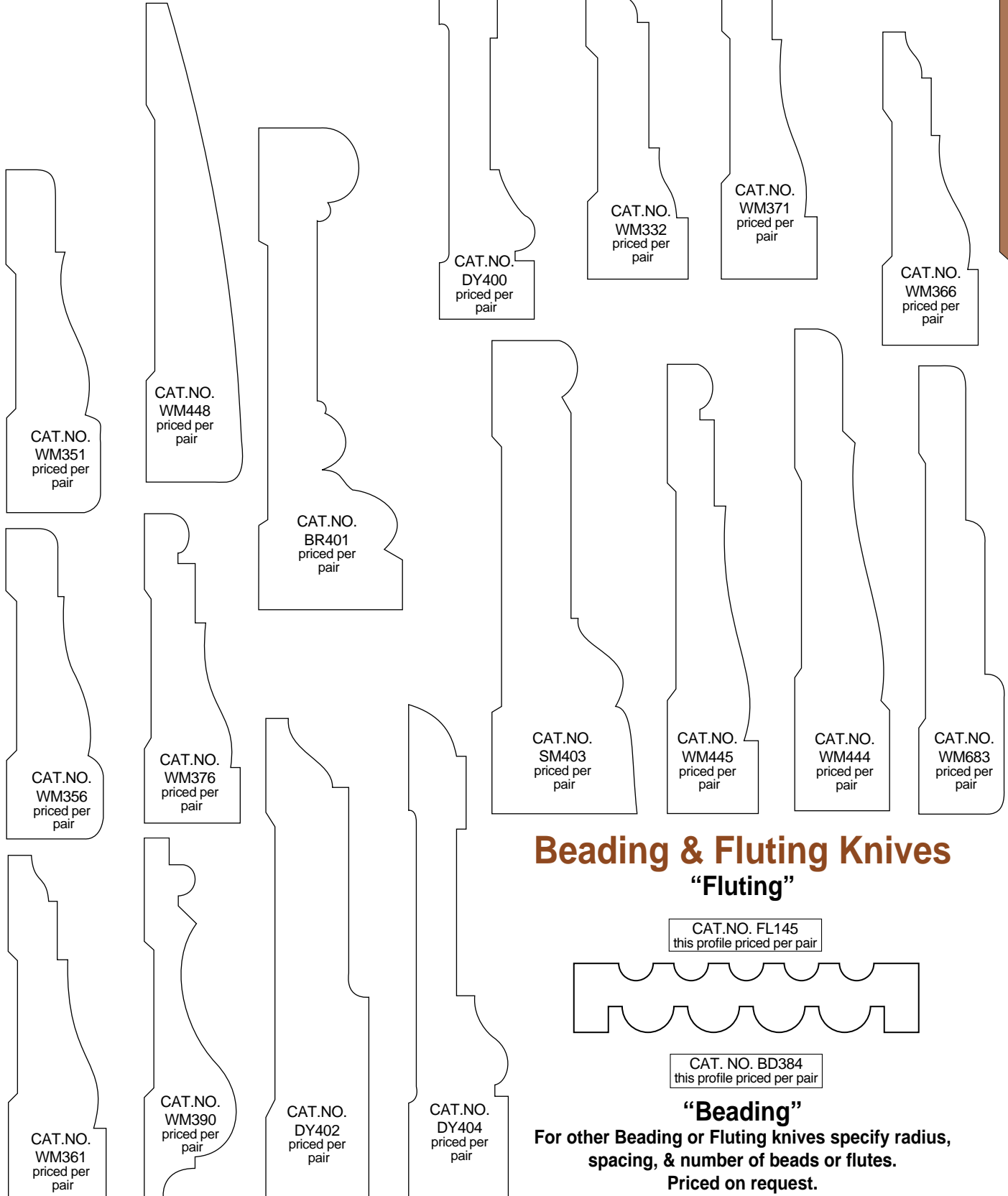
Picture Mouldings

Producing this profile on a shaper requires 2 passes.



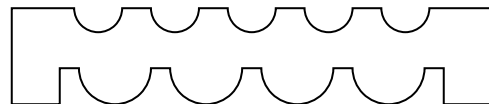


Chair Rail & Casings



Beading & Fluting Knives "Fluting"

CAT.NO. FL145
this profile priced per pair



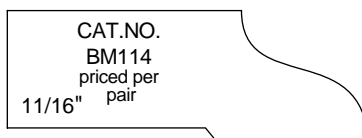
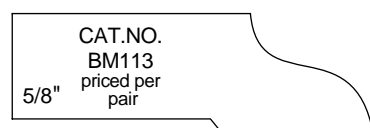
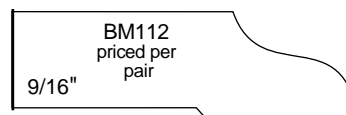
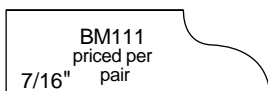
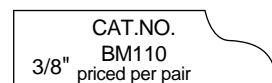
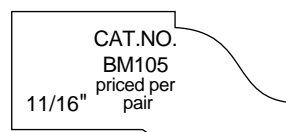
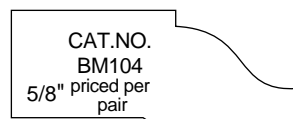
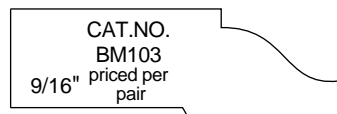
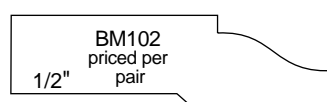
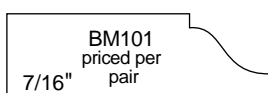
CAT. NO. BD384
this profile priced per pair

"Beading"

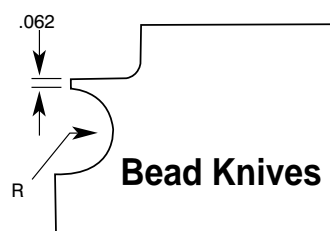
For other Beading or Fluting knives specify radius, spacing, & number of beads or flutes.
Priced on request.

EIGHTH ROUND, BULLNOSE, BEAD

Base Mouldings & Stops



Bead & Bullnose Knives



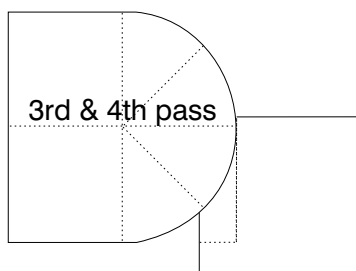
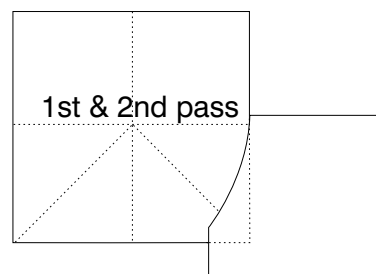
Radius	CAT.NO.
1/8"	BN100 /pr
3/32"	BN100A/pr
3/16"	BN101 /pr
1/4"	BN102 /pr

NEW!

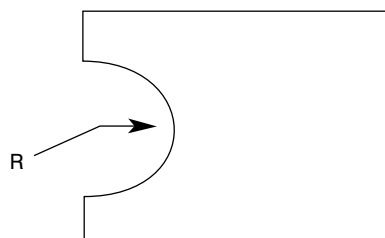
Eighth Round Knives

To produce larger Bullnoses

Radius	CAT.NO.
1-1/4"	BN165 /pr
1-1/2"	BN170 /pr
1-3/4"	BN175 /pr
2"	BN200 /pr
2-1/4"	BN225 /pr
2-1/2"	BN250 /pr
2 3/4"	BN275 /pr
3"	BN300 /pr
3-1/2"	BN350 /pr
4"	BN400 /pr



Bullnose Knives with Flare

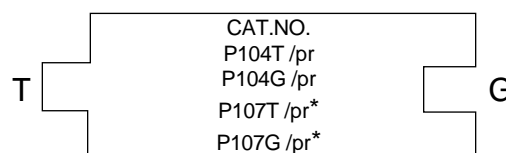


Radius	CAT.NO.
5/16"	BN103 /pr
3/8"	BN104 /pr
7/16"	BN105 /pr
1/2"	BN106 /pr
17/32"	BN106A/pr
9/16"	BN107 /pr
5/8"	BN108 /pr
3/4"	BN109 /pr
7/8"	BN110 /pr
1"	BN111 /pr

NEW!

Tongue & Groove

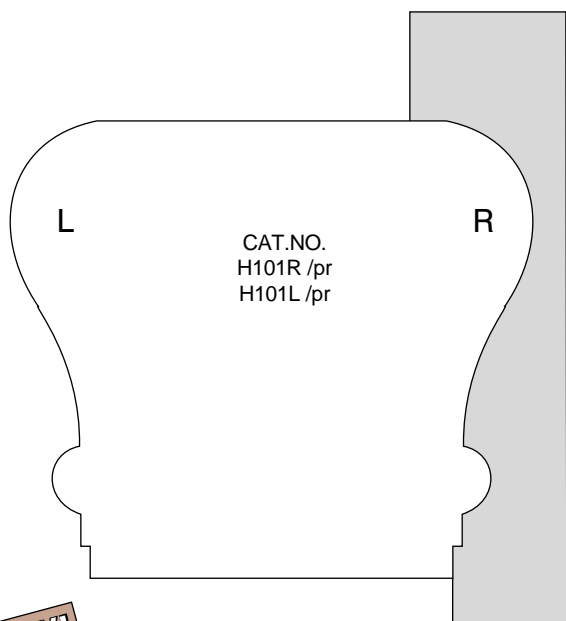
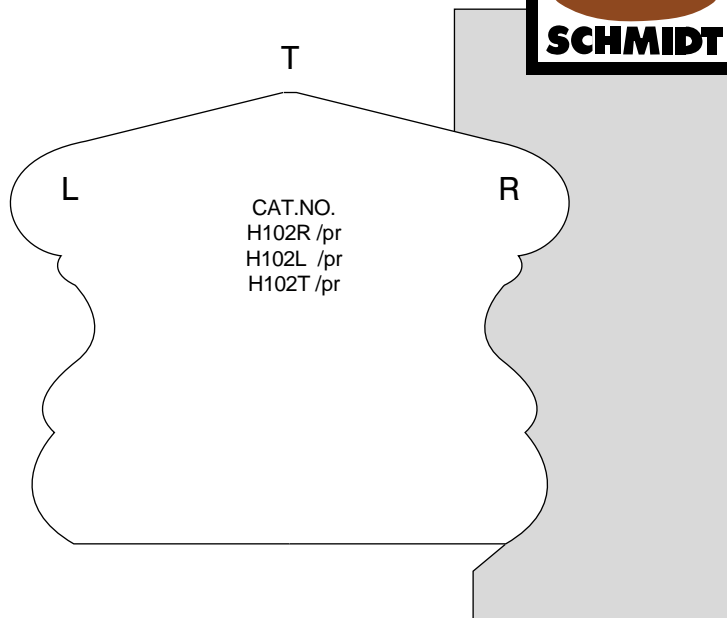
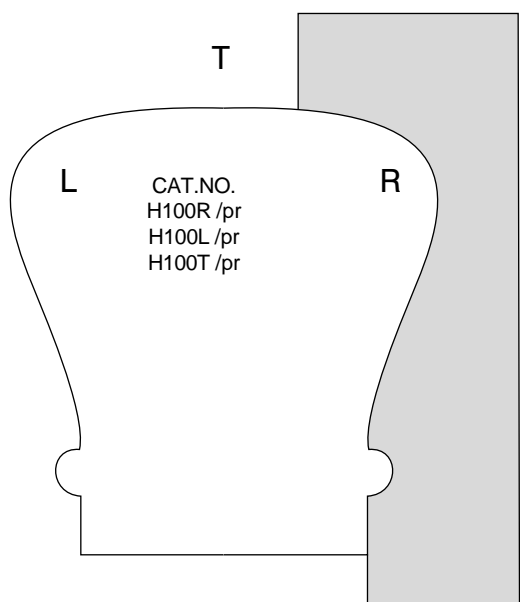
For 3/4" and 1-1/2" material
P104 makes 1/4" x 1/4" Tongue and Groove
P107 makes 1/2" x 7/16" Tongue and Groove



* Loose fitting for ease of assembly



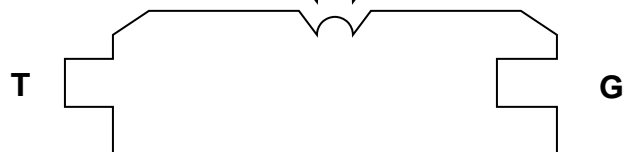
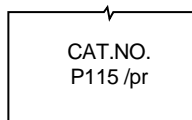
Hand Rails



NEW!

Paneling & Flooring Knives

V-Panels



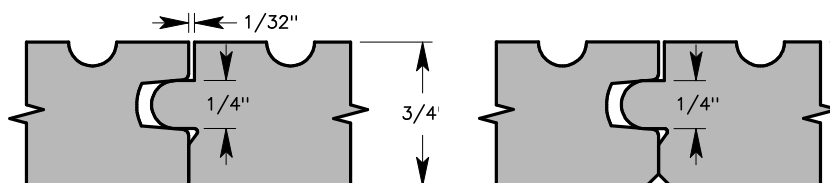
CAT.NO.	Tongue(Groove)
P100T	for 3/8-7/16" V-Paneling /pr
P100G	for 3/8-7/16" V-Paneling /pr
P102T	for 3/4" V-Paneling /pr
P102G	for 3/4" V-Paneling /pr
P103T	for WP-4 Standard /pr
P103G	for WP-4 Standard /pr
P106T	for 1-1/2" V-Paneling /pr
P106G	for 1-1/2" V-Paneling /pr

Flooring Knives

Industry Standard with Nail Groove
Also available from stock in carbide tipped

Side Knives, pairs 1-1/4" Wide
with or without Micro Bevel

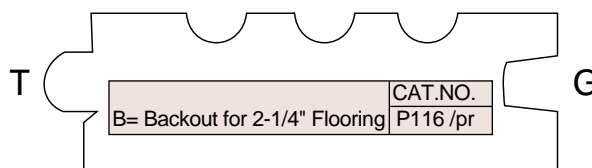
To Produce	CAT. NO. HSS	CAT. NO. Carbide
Tongue	P105T/pr	P105TC/pr
Groove	P105G/pr	P105GC/pr
Tongue MB	P105TMB/pr	P105TCMB/pr
Groove MB	P105GMB/pr	P105GCMB/pr



Standard Profile

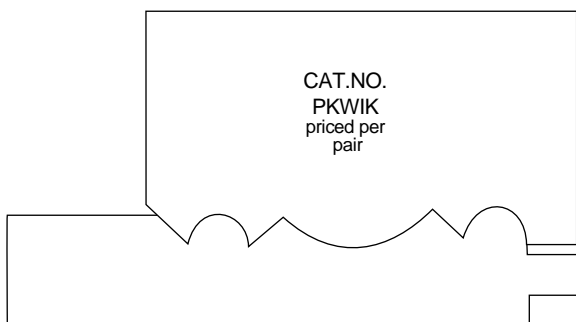
B

1/8" Standard Micro Bevel Profile



BACKOUT, CASING, CUSTOM

Pickwick for V-Panel



Angle & Backout Knives



CAT.NO.
CBA38R /pr
CBA38L /pr
CBA52R /pr
CBA52L /pr

WHA38L /pr
WHA52R /pr

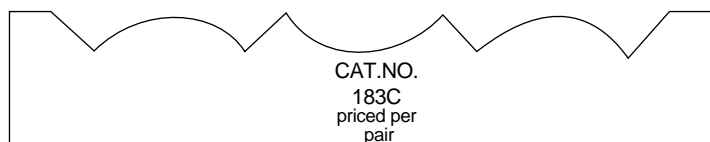
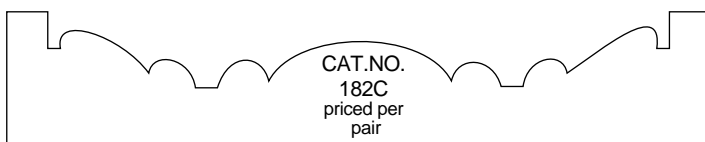
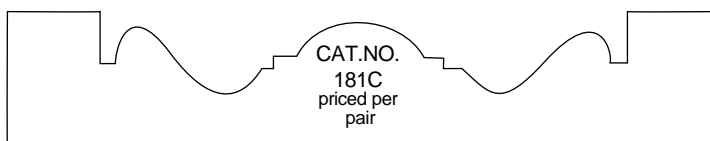
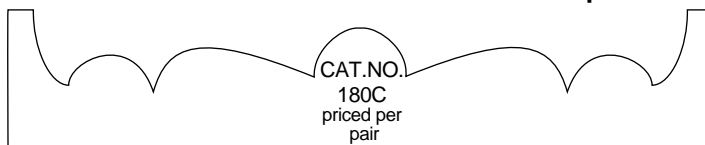


CAT.NO.
CBA45R /pr
CBA45L /pr

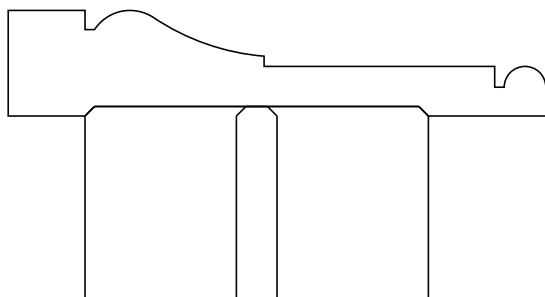
WHA45R /pr
WHA45L /pr

Victorian Casing Knives

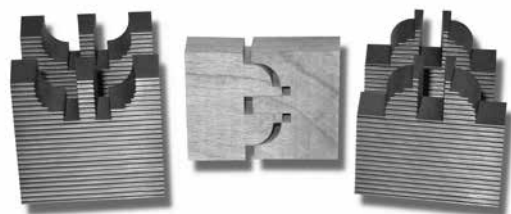
To match our standard rosette profiles



Adjustable Backout Knives



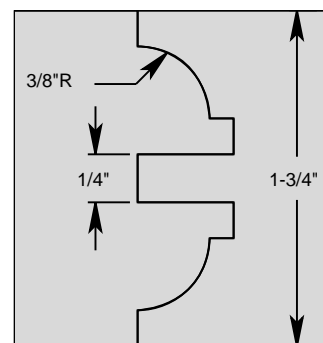
WH CAT.NO.	CB CAT.NO.	Size
WHA100 /pr	CBA100 /pr	1-1/8" - 2"
WHA101 /pr	CBA101 /pr	1-3/4" - 3-1/8"



Interior and Exterior Door Knives

NEW!

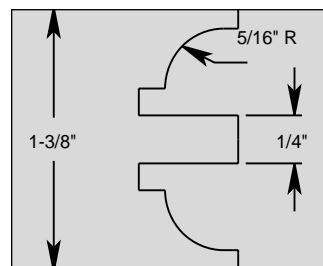
OVOLO Pattern for
1-3/4" thick Panel
Doors.



Description	CAT. NO.
1 3/8" Stile (Pattern)	CBP222S
1 3/8" Rail (Cope)	CBP222R
1 3/4" Stile (Pattern)	CBP220S
1 3/4" Rail (Cope)	CBP220R

Sold in Pairs

OVOLO Pattern for
1-3/8" thick Panel
Doors.



PROFILE KNIFE GRINDING SERVICE

Specializing In Profile Knife Grinding Since 1926

Custom knife grinding has always been a specialty. By combining the latest CNC technology with time proven tool making traditions, Charles G. G. Schmidt & Co., Inc. continues to be a major supplier of knives and cutters to the woodworking Industry. We offer **fast, accurate, dependable service**. Just provide us with the type of knife needed, a sketch, wood sample or DXF file and let us do the rest. For standard knives, please see our list of casings, crowns, baseboards and chair rails. Over 170 standard profiles in stock for corrugated heads and the Williams & Hussey Molder. Carbide tipped and SCHure-lock carbide knives are our specialty.

We manufacture knives for:

- Corrugated Heads
- Williams & Hussey & Shop Fox Moulders
- Powermatic, Woodmaster, Grizzly, Belsaw, RBI Planers
- Custom Knives for most Woodworking Machines

Ordering, "Easy as 1 2 3"

1 Complete Service

We supply completely finished knives and templates from dxf, dwg files, wood samples or drawings. 2 to 3 day delivery. Rush service available

2 Pre-Roughed knives & Templates

From a drawing, dxf, dwg files or wood sample, we produce pre-roughed knives and templates. Finish grinding is up to the customer.

1 to 2 day delivery.

3 Template Service

Supply us with your special profile and we will send you a 3/16" thick acrylic template for your knife grinding machine.

1 to 2 day delivery.

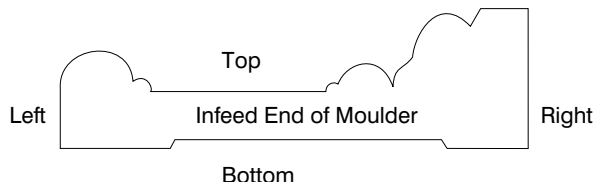
NEW!



Scan this QR code and see our knives being made on our CNC machines.



By using our diagram below let us know which heads will be doing the profiling.



Send us your profiles via mail, fax, or e-mail dxf or dwg files to sales@cgg Schmidt.com

STANDARD MOULDER HEADS

2 KNIFE CORRUGATED CUTTER HEADS The Junior Line for 3/4" & 1" Spindles

- Available in 16-60° corrugations. • Designed to use the same 1/4" & 5/16" thick corrugated steel as our larger cutter heads. 4 knife heads available for special applications.

For 3/4" Spindles 15° cutting angle. 3/4" Max depth of cut.		
Length	Diameter	CAT. NO.
2"	2-3/4"	MH222P6
3"	2-3/4"	MH223P6

For 1" Spindles 20° cutting angle. 1" Max depth of cut.		
Length	Diameter	CAT. NO.
2"	3-1/2"	MH232P6
3"	3-1/2"	MH233P6
4"	3-1/2"	MH234P6



2 AND 4 KNIFE CUTTER HEADS FOR 1-1/4" SPINDLES

For Large Shapers & Small Moulders

- 4" Diameter
- Available in 16-60° corrugations
- Uses 1/4", 5/16", 3/8" or 10mm corrugated steel
- 1-1/2" Max. depth of cut using 3/8" thick steel. See page 15. Always fill empty pockets with filler steel when using two knives in 4 knife heads



Scan this QR code and see our heads being made on our CNC machines.

	2 Knife, 20° CA	4 Knife, 20° CA	Dual Angle, 12° & 20° CA
Length	CAT. NO.	CAT. NO.	CAT. NO.
1"	MH201P6	MH101P6	MH101PD
2"	MH202P6	MH100P6	MH100PD
3"	MH203P6	MH102P6	MH102PD
4"	MH204P6	MH103P6	MH103PD
5"	MH205P6	MH105P6	MH105PD
6"	MH206P6	MH106P6	MH106PD

NEW!

Use 20° cutting angle for cutting softer woods, and all round cutting. Use 12° for harder woods. Knives are additional. Allen wrench supplied with pocket type Heads.

Pin Holes for XL and 645 moulders in 4" diameter heads on this page are an additional charge. See price list **CAT NO. MH809**

W&H AND SHOP FOX SHAPER HEADS



Now you can use our knives made for the **Williams & Hussey and Shop Fox** moulders on a shaper or moulder using one of these heads. Holes in knives must be able to accept 3/8" bolts. 4" heads made with 1-1/4" bore. 4-13/16" heads made with 1-1/2" or 40mm bore. Please specify size when ordering. Heads with larger bores quoted on request.

Shaper Heads for Williams and Hussey knives. 23° Cutting Angle		
Length	Diameter	CAT. NO.
4"	4"	WH404
4"	4-13/16"	WH404H
6"	4"	WH406
6"	4-13/16"	WH406H

STANDARD COPING DISCS



Heads are weight relieved, have a 25° cutting angle for a cleaner cut, are 3/4" thick and have 60° corrugations. Two can be used together with spacer to produce tenons. Custom heads also made to your machines specifications.

DESCRIPTIONS	CAT. NO.
7" OD x 1-1/4" ID 4 knife	MH780
7" OD x 1-1/4" ID 6 knife	MH781
8" OD x 1-1/4" ID 4 knife	MH785
8" OD x 1-1/4" ID 6 knife	MH786
9" OD x 1-1/4" ID 4 knife	MH790
9" OD x 1-1/4" ID 6 knife	MH791

STANDARD MOULDER HEADS



STANDARD MOULDER HEADS

For American, European and Japanese Machines.



5-3/8" (137mm) diameter Straight Bore

NEW SIZES!

	2 Knife	4 Knife
Length	CAT. NO.	CAT. NO.
50mm	MH4612	MH461
100mm	MH4622	MH462
150mm	MH4622A	MH462A
180mm	MH4632	MH463
230mm	MH4642	MH464

Supplied with a 22° cutting angle, 16-60° corrugations and a 1-13/16" bore.

4-13/16" (122mm) diameter Straight Bore for Weinig, Wadkin, SCMI & similar machines.

	2 Knife	4 Knife	Dual Angle
Length	CAT. NO.	CAT. NO.	CAT. NO.
2-1/4"	MH4422	MH442	MH442D
4"	MH4442	MH444	MH444D
5"	MH4452	MH445	MH445D
6"	MH4462	MH446	MH446D
7"	MH4472	MH447	MH447D
8"	MH4482	MH448	MH448D
9"	MH4492	MH449	MH449D

Supplied with 16-60° corrugations and use 1/4", 5/16", 3/8" or 10mm thick steel. 2 knife and 4 knife heads come with 15° cutting angle. Dual angle heads have 12° and 20° cutting angles. **Specify 1-1/2" or 40mm bore when ordering.** Add M to end of part number for 40mm bore. Supplied with 1-1/2" if not specified. All heads are supplied with pocket style gibs. Knives are additional.



6" (150mm) diameter x 2-1/8" or 1-13/16" straight bore

	4 Knife	6 Knife
Length	CAT. NO.	CAT. NO.
2-1/4"	MH642	MH662
4"	MH644	MH664
6"	MH646	MH666

Supplied with 15° cutting angle and 16-60° corrugations. Specify 1-13/16" or 2-1/8" bore when ordering.



6" (150mm) diameter with open-end self-centering sleeves

	4 Knife	6 Knife
Length	CAT. NO.	CAT. NO.
2-1/4"	MH672	MH682
4"	MH674	MH684
6"	MH676	MH686

Supplied with hex nut, 15° cutting angle and 16-60° corrugations. Specify 1-13/16" or 2-1/8" bore and direction of rotation when ordering.



Grease fittings (2) are installed on ends unless specified. Recommended safety locking rings are available.

CAT. NO.
MH820

6" (150mm) diameter Hydro-Lock Moulder Heads

	4 Knife	6 Knife
Length	CAT. NO.	CAT. NO.
50mm	MH405	MH605
100mm	MH410	MH610
150mm	MH415	MH615
180mm	MH418	MH618
230mm	MH423	MH623

Supplied with 15° cutting angle and 16-60° corrugations. Specify 1-1/2", 40mm, 1-13/16" or 2-1/8" bore when ordering.

GREASE GUNS AND GREASE

	CAT. NO.
Grease Gun for Hydro-Lock heads (Rod Style)	MH816
Grease Gun Rebuilding Kit	MH816A
Grease for Hydro-Lock heads -per tube	MH817A

ROSETTE CUTTERS

MULTIPROFILE ROSETTE CUTTERS

2 wing Rosette cutter uses 1/4" thick 16-60° corrugated steel. For use on slow rpm machines.

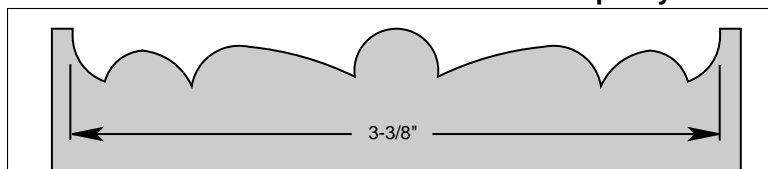
ROSETTE CUTTERS	TOOL HOLDER	BLANK KNIVES	CUSTOM
	CAT. NO.	CAT. NO.	KNIVES
2-7/8" Diameter	AC818	CB189	CAT. NO.
3-1/2" Diameter	AC819	CB190	CB189P
4-3/4" Diameter*	AC821	CB191	CB190P
#2Morse Taper Shank	AC820#2		CB191P

* 3/4" or #2 Morse Taper shanks only.

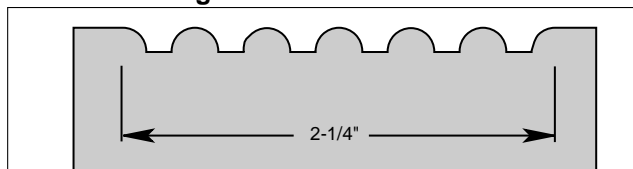
Our 2 knife Corrugated Back Rosette Tool Holders are designed to produce quality rosettes or plinth blocks on low rpm machines such as drill presses, lathes or (Bridgeport type) milling machines. They are available in three diameters and three shank sizes: 1/2", 3/4", #2 Morse taper. A 1/2" or 3/4" shank is included with the tool. The #2 Morse taper shank is an additional charge. See price list. Please specify when ordering. Blank knives are available for custom grinding your own profiles. For mass production of rosettes, ask about our **Automatic Rosette Machines**. Carbide and S-Alloy tipped brazed cutters are also available. Call for pricing.



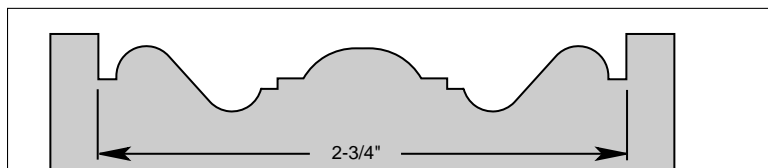
Standard Profiles for Rosette Tool Holders. Sold in sets of 2. Catalog numbers shown are for Steel Knives. Please specify head size when ordering.



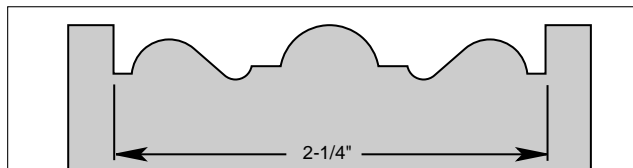
CAT.NO.
CB180R



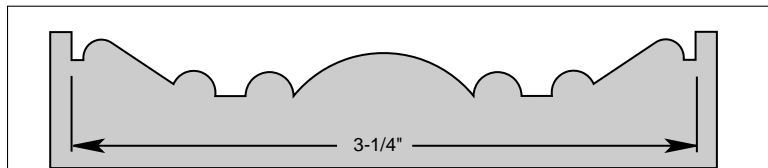
CAT.NO.
CB184R



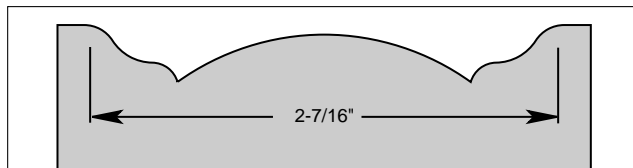
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CB181R



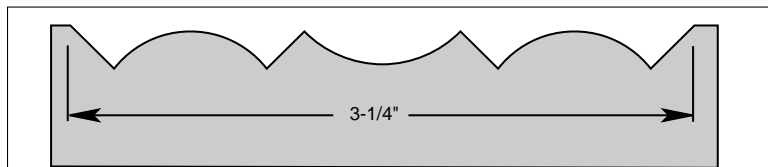
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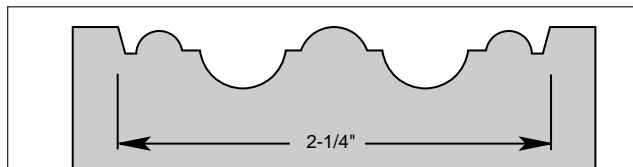
CAT.NO.
CB182R



CAT.NO.
CB186R



CAT.NO.
CB183R



CAT.NO.
CB187R

INNOVATOR PANEL RAISING CUTTERS



THE INNOVATORS

Multiprofile Corrugated Back Panel Raising Cutters

INNOVATORS	CAT. NO.	MATCHING BALL BEARINGS
5-1/8" cutting circle x 3/4" bore Innovator Jr.	QC601	AC106 1-5/8" OD x 3/4" bore
6" cutting circle x 1-1/4" bore Innovator	QC602	AC111 2-1/2" OD x 1-1/4" bore

This tool is a must for custom cabinet, millwork and furniture shops.

The Innovator and Innovator Jr. are two of our most popular tools. They combine the convenience and economy of 5/16" thick corrugated steel with a pocket design that can safely produce panel profiles up to 2" deep. Both sizes using the same pocket design can use either 5/16" thick, 60° corrugated back steel knives or the new 10mm



"SCHure • Lock" carbide knife system. With today's use of MDF and other composite materials, the use of carbide is a must, and the Innovators allow anyone capable of grinding carbide knives to produce their own 3 wing carbide panel raising cutters. They can be used with or without ball bearing rub collars.

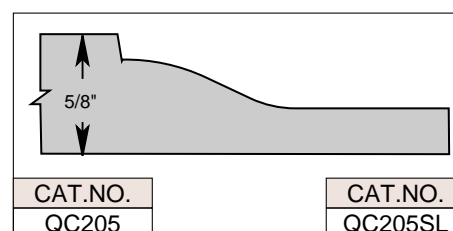
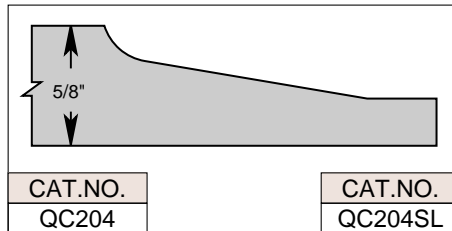
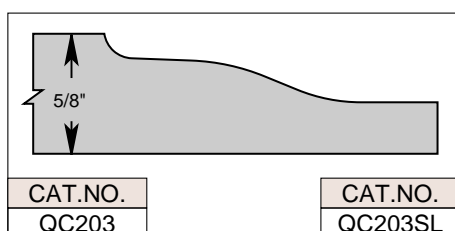
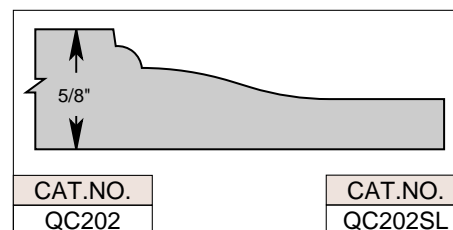
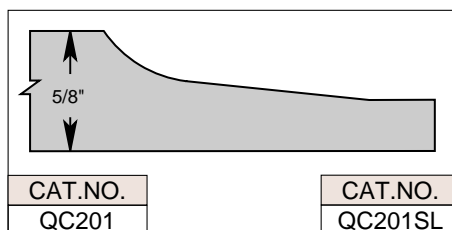
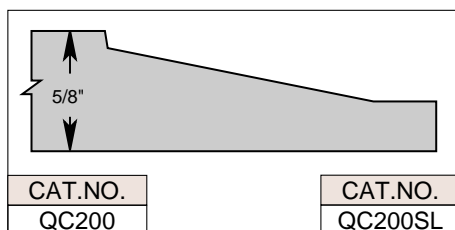
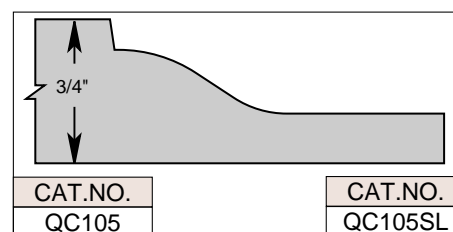
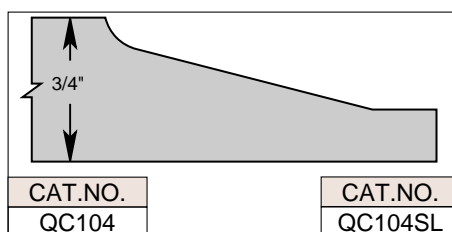
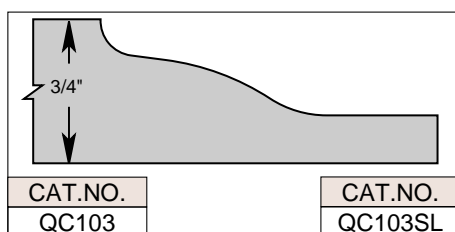
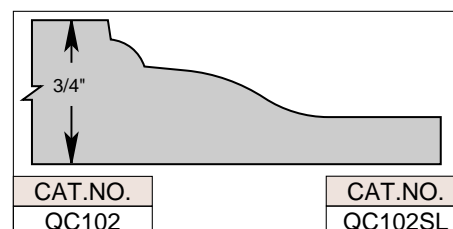
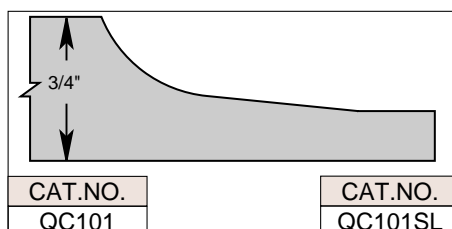
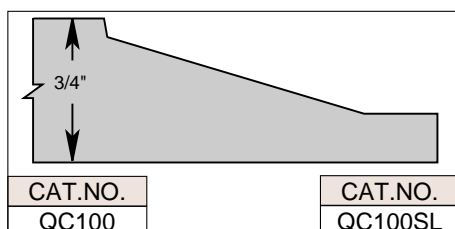
Please specify Innovator or Innovator Jr. and direction of rotation when ordering. Other sizes quoted on request. Blank steel knives are available in sets of 3 for custom grinding your own profiles.

BLANK KNIVES

SIZE	CAT. NO.
M2HSS .865" X 2" X 5/16" (3)	QC300
SCHure Lock .865" X 2" X 10mm (3)	QC300SL

Please specify clockwise or counter clockwise rotation and if cutter is over the wood or under the wood.

Standard Profiles for the Innovator. Sold in sets of 3. Stocked in high speed steel and SCHure • Lock carbide knives



MORTISING CHISELS, PROFILING HEADS

HOLLOW MORTISING CHISELS & BITS

Our chisels and bits are made from the finest quality tool steels. Requiring less horsepower, these extremely sharp tools produce extra clean cuts in hard and soft woods. Single flute design for efficient chip removal. Chisels and bits sold separately.

We carry two sizes of rectangular mortising chisels and bits.

3/8" x 9/16" CAT. NO. HMC375X562

3/8" x 5/8" CAT. NO. HMC375X625 Sold in sets only.

BITS

BIT DIAMETER	SHANK DIAMETER	MORTISE DEPTH	OVERALL LENGTH	CAT. NO.
1/4"	3/16"	1 7/8"	9 1/2"	HMC250B
5/16"	7/32"	1 7/8"	9 1/2"	HMC313B
3/8"	9/32"	3"	8 1/2"	HMC375B
1/2"	3/8"	3"	8 1/2"	HMC500B
5/8"	1/2"	4"	9 1/2"	HMC625B
3/4"	1/2"	5"	11"	HMC750B
1"	1/2"	5"	11"	HMC1000B

CHISELS

SIZE x SHANK DIAMETER	MORTISE DEPTH	OVERALL LENGTH	CAT. NO.
1/4" X 5/8"	1 7/8"	5 1/2"	HMC250C
5/16" X 5/8"	1 7/8"	5 1/2"	HMC313C
3/8" X 5/8"	3"	5 1/2"	HMC375C
1/2" X 5/8"	3"	5 1/2"	HMC500C
5/8" X 3/4"	3"	5 1/2"	HMC625C
3/4" X 1 1/8"	3"	7 1/2"	HMC750C
1" X 1 1/8"	3"	7 1/2"	HMC1000C



PROFILING HEADS

Our profiling heads are another economical way of using standard carbide inserts for a profiling / shaping operation. Available in 5 standard widths. For pattern shaping use bearing AC117. Made with 1-1/4" bore. Bushings available for other sizes. See page 8.

- Always maintains same diameter.
- Change knives right on the machine.

NEW!

- Four sided carbide knives. Replacement insert CAT. NO. INKS415 See page 43.

2 Wing, 4 Row Profiling Heads

Length	Diameter	CAT. NO.	Replacement insert	Inserts per head
2"	4"	IN402	INKS415	10
3"	4"	IN403	INKS415	14
4"	4"	IN404	INKS415	18
5"	4"	IN405	INKS415	22
6"	4"	IN406	INKS415	26

T-20 TORX WRENCH CAT. NO. INKS415TW

REPLACEMENT INSERT SCREW CAT. NO. IN415S

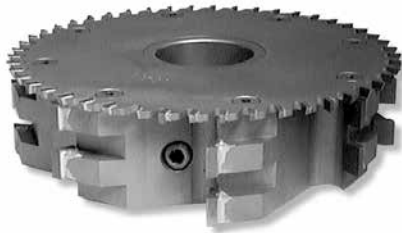


TENONER TOOLING, POWERMATIC HEADS



Charles G. G. Schmidt & Co. offers a wide range of tooling for most types of single and double end tenoners. From the smallest to the largest, we have the expertise to equip your machine with the best kinds of tools for your application. Most of our tenoner tooling is custom made.

TENONING



Carbide tipped staggered tooth heads can be made either single sided (pictured) or reversible (with 2 blades). Staggered design, permits smooth cuts, faster feed rates and

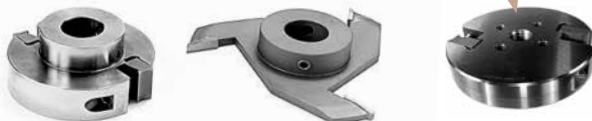
out-lasts original heads with steel knives and spurs.

For a quote on new tenon heads specify:

- Maximum cutting circle
- Maximum tenon length
- Spindle diameter
- Mounting method
- R.P.M.
- Feed rate
- Rotation

COPING HEADS

Custom Heads and Knives

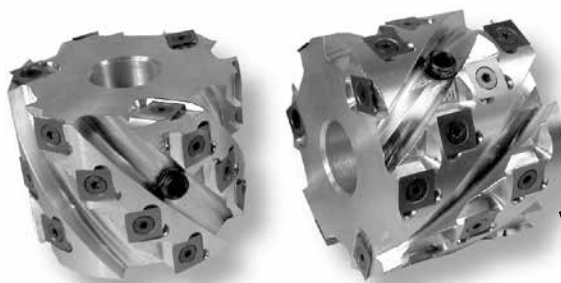


Pictured here is a small sampling of the types of cope tooling available from Schmidt. Let us grind knives for your stock heads or switch to corrugated heads for easier setups. For longer runs and quick set up time, consider ground to pattern wing cutters in S-alloy or carbide.

POWERMATIC TENONER HEADS - 2A

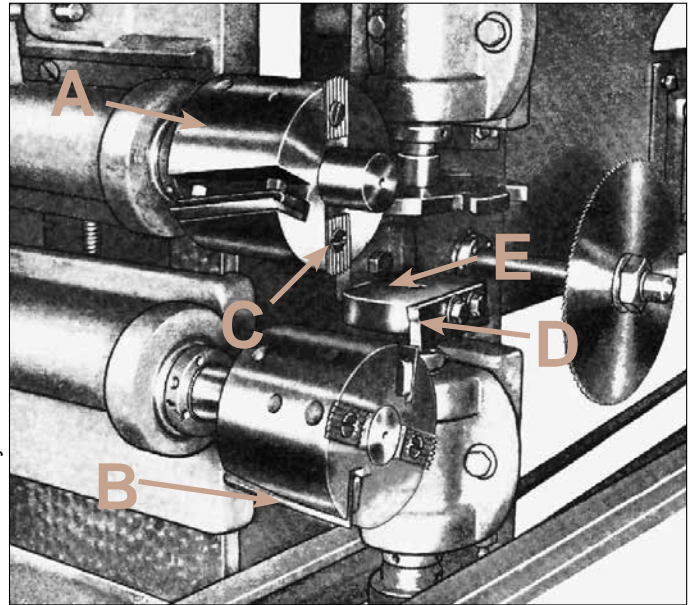
4" diameter x 3" cel X 1 3/16" bore 6 row, 3 spur. Please specify top or bottom when ordering.

Update your Powermatic with Insert Tenon Heads



NEW!

Photo courtesy of Powermatic



REPLACEMENT PARTS

For Powermatic 2-A single end tenoner

We stock replacement Heads, Tenon Knives, Spurs, Cope Heads and Cope Knives for the 2-A. We also carry a threaded adapter enabling wing cutters to be used on the cope spindles. Our service department is available to set up new and existing heads for a nominal charge.

DESCRIPTIONS		CAT. NO.
A	discontinued Tenon Head see new Insert version	PM100
B	Tenon Knives PM100 requires (2)	PM105
C	3/4" Spurs PM100 requires (2)	PM110
D	Cope Knives (straight)	PM115
E	2 Knife Cope Head without knives	PM120
F	2 Knife Corrugated Back Cope Head *	PM121
Threaded Adapter for 1-1/4" bore		PM125
Assembly Service (includes setting knives and sharpening)		PM200

* This is a new type of head for Powermatic 2A Single End Tenoner. It uses corrugated steel rather than knives with closed slots. 5/8"-11 thread, 60° corrugations. Specify top or bottom.

1 INCH WIDE GROOVING AND RABBETTING HEADS

Aluminum bodies support the carbide inserts to provide a 1" wide grooving and rabbeting cutter used in many operations. Available in three diameters with 1 1/4" bore. Can be used in clockwise or counter clockwise rotation. For replacement inserts and screws, see chart to the left. Bushings to other bore sizes see Pg. 8



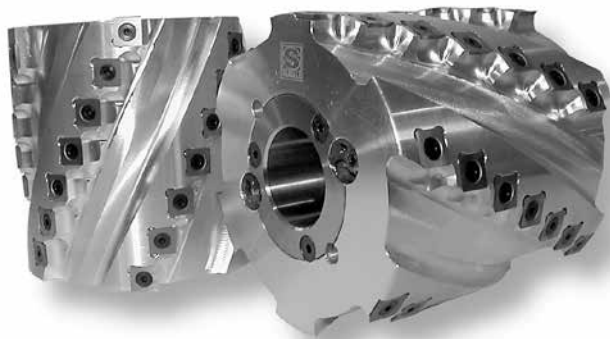
DESCRIPTIONS	CAT. NO.
4" Dia. Bottom Head	PM250B
4" Dia. Top Head	PM250T
Replacement Insert	INKS415
Replacement Insert Screw	INKS415S
Replacement Spur	INKS414
Replacement Spur Screw	INKS414S
Insert Torx Wrench	INKS415TW
Spur Torx Wrench	INKS414TW

Descriptions	CAT. NO.
4" Dia. 6 Inserts, 6 Spurs	IN500
6" Dia. 6 Inserts, 6 Spurs	IN5006
8" Dia. 12 Inserts, 8 Spurs	IN5008

SURFACING & TENON HEADS

SURFACING HEADS

Made from aircraft aluminum, these heads are an excellent way to reduce noise and horsepower needed in your moulding operation. They use solid carbide 4 sided inserts mounted in a staggered, spiral pattern which in most cases, depending on the machinery, can produce a line free finish. Inserts can be replaced or rotated on or off the machine. Feed speeds can also be increased due to the reduced cutting pressure. Can also be made for profiling and pattern shaping. Please specify bore size when ordering. Diameter always stays the same requiring minimal set up time. Made with either straight or hydro-Lock bores. Effective number of cutting teeth is half the number of wings.



Pictured with Hydro-Lock bores

Replacement
Insert Screw

CAT. NO.
INKS415S

Replacement Insert
see page 39

CAT. NO.
INKS415

T-20 TORX
WRENCH

CAT. NO.
INKS415TW

DIA.	LENGTH	# OF WINGS	# OF TEETH	Straight Bore	Hydro Bore
				CAT. NO.	CAT. NO.
4"	4"	6	24	IN650	N/A
4"	5"	6	30	IN651	N/A
4"	6"	6	36	IN652	N/A
5"	4"	4	16	IN653	N/A
5"	6"	4	20	IN654	N/A
5"	9"	4	48	IN655	N/A
5"	4"	6	24	IN656	N/A
5"	6"	6	30	IN657	N/A
5"	9"	6	60	IN658	N/A
6"	4"	4	16	IN659	IN659H
6"	6"	4	20	IN660	IN660H
6"	9"	4	48	IN661	IN661H
6"	4"	6	24	IN662	IN662H
6"	6"	6	30	IN663	IN663H
6"	9"	6	60	IN664	IN664H



TENON HEADS

Made from aircraft aluminum these convenient to use insert tenon heads can be made for any single or double end tenoner. Staggered tooth design makes less noise and requires less horsepower. Four sided solid carbide inserts and spurs are rotated as they become dull. Set screw mounting is available.

Effective number of cutting teeth is half the number of wings. Please specify bore size when ordering.

- Lightweight
- No need to send out for sharpening
- Easy to use
- Diameter always stays the same
- Minimal set up time

			2" CUTTING EDGE	3" CUTTING EDGE	4" CUTTING EDGE
Diameter	# of WINGS	# of SPURS	CAT. NO.	CAT. NO.	CAT. NO.
4" - 5"	6	3	IN600A	IN600B	IN600C
5" - 6"	6	3	IN601A	IN601B	IN601C
6" - 7"	6	3	IN602A	IN602B	IN602C
8"	8	4	IN603A	IN603B	IN603C

Replacement
Insert

CAT. NO.
INKS415

Replacement
Insert Screw

CAT. NO.
INKS415S

Replacement
Spur

CAT. NO.
INKS414

Replacement
Spur Screw

CAT. NO.
INKS414S

Insert Torx Wrench CAT. NO. INKS415TW

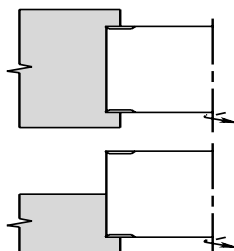
Spur Torx Wrench CAT. NO. INKS414TW



REBATING, ADJUSTABLE GROOVER & ANGLE

REBATING HEADS

These cutters are ideal for applications where constant diameter is important. The use of industry standard carbide inserts make this tool inexpensive and easy to use. The spurs insure clean, smooth cuts, even in cross grain applications. They are an excellent choice for moulder side heads in straight cut (S4S) applications. Cutters are stocked in bore sizes listed. The * indicates these tools can be bored or manufactured with other bore sizes for a nominal charge.



DIAMETER	BORE	KNIVES	SPURS	LENGTH	BEARING	CAT. NO.
85mm	1-1/4"	2	4	50mm	AC114A	IS58085
100mm	1-1/4"	2	4	50mm	AC116B	IS58100
125mm*	1-1/4"	2	4	50mm	AC125	IS58125

Replacement Knives	CAT. NO.
50mm Straight Knife	INKS250
14mm x 14mm Spur	INKS414
Spur Screw	INKS414S
Replacement Gib Screw	IS58200
Replacement Gib	IS58201

STACKABLE SURFACING HEADS

Our Stackable heads are another economical way of using standard carbide inserts for a surfacing operation. Available in 30mm and 50mm widths these heads stack on the arbor to the desired length.

- Always maintains same diameter • Change knives right on the machine.
- Double sided carbide knives • For horizontal or vertical heads.

DIAMETER	BORE	KNIVES	INSERT	KERF	CAT. NO.	Replacement Gib CAT. NO.
125mm	40mm	4	INKS250	50mm	IS1255	IS58201
125mm	40mm	4	INKS230	30mm	IS1253	IS1263
125mm	1-1/2"	4	INKS250	50mm	IS1255A	
125mm	1-13/16"	4	INKS250	50mm	IS1255B	

Replacement Gib Screw CAT. NO. IS58200



ADJUSTABLE WIDTH GROOVERS

Our adjustable groovers come complete with spurs for smooth cutting with and across the grain. Spacers supplied with the tool allow for fine adjustment of grooves up to 1-1/4" deep. Depth varies from 1-1/4" to 1-3/8."



IG660 to IG668



IG660A

DIA.	BORE	INSERTS	INSERT NO.	SPURS	SPURS NO.	MIN-MAX CUT	CAT. NO.
180mm	1-1/4"	8	INKS418	4	INKS410	4mm to 7.5mm	IG660
180mm	1-1/4"	8	INKS418	4	INKS410	4mm to 7.5mm	IG660A*
160mm	1-1/4"	4	INKS207	4	INKS414	8mm to 15mm	IG662
160mm	1-1/4"	4	INKS412	4	INKS414	12.5mm to 24mm	IG664
160mm	1-1/4"	4	INKS215	4	INKS414	16mm to 30mm	IG666
160mm	1-1/4"	4	INKS220	4	INKS414	21mm to 39mm	IG668

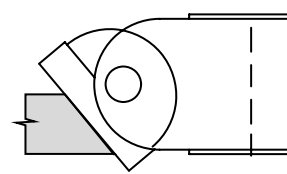
* IG660A. Unlike the other models, this one adjusts at the turn of a dial. Infinitely adjustable from 4mm to 7.5mm. There is no quicker way to adjust the width to match material thickness.

ADJUSTABLE ANGLE CUTTER



This is the most versatile indexible angle cutter available. Infinitely adjustable using an allen key from -90° to +90° with a vernier scale for accurate adjustment. This unit uses standard 50mm double sided solid carbide inserts,

CAT. NO. INKS250 (See page 39).



DIAMETER	BORE	KNIVES	INSERT	KERF	CAT. NO.
160mm	1-1/4"	2	INKS250	50mm	IT35160

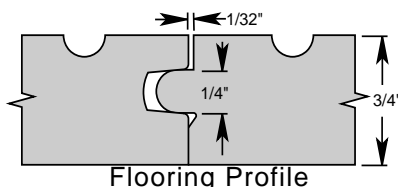
FLOORING TOOLING FOR MOULDERS

SIDE HEAD OPTIONS

Produce top quality flooring with our insert style flooring cutters. All of our heads and inserts are manufactured to precision tolerances from today's best alloy steels and aircraft quality aluminum.

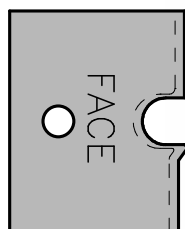
DOUBLE SIDED, REVERSIBLE HEAD and INSERTS. Use our standard 6" diameter, 60mm wide, three knife dedicated head, with your choice of bore depending on the machine. Our industry standard profiled inserts are ground with both profiles, a total of four cutting on the same insert. In moulder applications all four patterns can be used without adjusting spindle heights. Our unique flip flop design allows runs up to 100,000 ft. of flooring with one set of inserts with one insert rotation and one flip of the side heads. Made from impact resistant carbide. Machine adjustment is not needed after initial set up, insert change or rotation. Heads and Inserts Priced separately.

DESCRIPTION	CAT. NO.
6" Dia x 1 1/4" bore	ID8240A
6" Dia x 1 1/2" bore	ID8240B
6" Dia x 40mm bore	ID8240C
6" Dia x 1 13/16" bore	ID8240D
INSERT	IC240
Replacement Gib	ID8240GIB

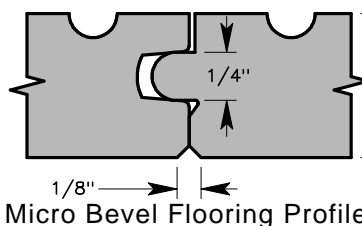


SINGLE SIDED, NON REVERSIBLE HEADS and INSERTS

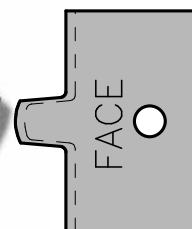
are also stock items. 5-1/2" diameter, 30 mm wide, 3 wing, choice of bore are standard. Inserts have one profile per insert and are ground for face down, groove to fence operation. These heads can be used with our standard profile or the micro bevel profile. Heads and Inserts Priced separately



Insert Profile



Micro Bevel Flooring Profile



Insert Profile

CUTTER DESCRIPTION	CAT. NO. GROOVE	CAT. NO. TONGUE
	SIDE	SIDE
5-1/2" Dia x 1-1/4" bore	ID550G	ID550T
5-1/2" Dia x 1-1/2" bore	ID551G	ID551T
5-1/2" Dia x 40mm bore	ID552G	ID552T
5-1/2" Dia x 1-13/16" bore	ID553G	ID553T
INSERTS (Square)	IC240G	IC240T
INSERTS (Micro Bevel)	IC240GMB	IC240TMB
REPLACEMENT GIB	IC240GIB	IC240GIB

NEW!

NEW!

STANDARD HSK FLOORING SYSTEM

INSERT STYLE FLOORING HEADS mounted on HSK adapters for today's newest HSK moulders. These heads are two wing, 93mm minor diameter and use our industry standard profiled inserts for a face down operation. Inserts are single sided and non reversible. Custom heads can be made in different diameters and with more wings. Micro-Bevel inserts are available. All Tools balanced to G2.5 @ 12,000 RPM. Inserts and heads are ground and Made in USA



DESCRIPTION	CAT. NO. Groove Side	CAT. NO. TONGUE SIDE
4-3/16" Dia x HSK	ID554GPL	ID554TPL
INSERTS	IC240G	IC240T



SURFACING and RELIEVING HEADS

These heads are made with 4 or 6 rows of standard 15mm square inserts to do the surfacing and 2 dovetail slots, 180° apart for the relieving tools. Adjustable relieving cutters come with one or two replaceable inserts which can be spaced to the desired distance. They can be rotated 3 times. The 15mm inserts can be rotated 4 times and the edges are numbered. Relieving cutters and holders are additional. These heads are made from aircraft quality aluminum. Custom sizes quoted on request. Additional sizes are available. These heads can also be made in steel.

SURFACING HEAD SIZES

DESCRIPTION	BORE	CAT. NO.
125 mm dia x 150 mm long	1 1/2"	ID5015012
125 mm dia x 230 mm long	1 1/2"	ID5023012
125 mm dia x 240 mm long	1 1/2"	ID5024012
125 mm dia x 150 mm long	40mm	ID5015040
125 mm dia x 230 mm long	40mm	ID5023040
125 mm dia x 240 mm long	40mm	ID5024040
137 mm dia x 150 mm long	1 13/16"	ID5015013*
137 mm dia x 230 mm long	1 13/16"	ID5023013*
137 mm dia x 240 mm long	1 13/16"	ID5024013*
15 mm x 15mm Replacement Inserts		INKS415
M5 x 13 Replacement Inserts Screw		INKS415S

NEW!



* Indicates 3 wing, 6 row configuration. Additional sizes are available. These heads can also be made in steel. See catalog page 13, 31 and 36 for additional types of surfacing heads without dovetail slots. Additional sizes of Torsa and Terminus heads.

RELIEVING TOOLING

DESCRIPTION	CAT. NO.
Single relieving holder (cutter included)	ID50001
Double relieving holder (cutters included (shown))	ID50002
Replacement Carbide Relieving cutters	ID50010
ID50010S Replacement screw	ID50010S



Additional inserts are available for chamfering and rounding over.

TERMINUS Style heads for Surfacing

Maintain diameter and get an excellent finish of hard or soft woods with these European made heads. Many other sizes available.

TERMINUS 4 Knife Cutter Heads

DIAMETER	LENGTH	BORE	CAT. NO.
125mm	150mm	1-1/2"	IT91150
125mm	150mm	40mm	IT92150
140mm	150mm	1-13/16"	IT97150
125mm	230mm	1-1/2"	IT91230
125mm	230mm	40mm	IT92230
140mm	230mm	1-13/16"	IT97230



Call for information on other diameters, lengths and configurations

See page 13 for replacement knives

HSK HEADS for today's newest machines

HSK corrugated heads for corrugated back knives and our SCHure-Lock carbide knife system. We can also manufacture dedicated style insert heads for the side heads of your machine. Also available in 12 degree cutting angles. Please specify desired cutting angle and whether the head is for the top, bottom, left side or right side spindles.

NEW!

Cat No.	Width	Spindle	Cutting Angle
MH300	60mm	L/B	20°
MH301	80mm	L/B	20°
MH302	100mm	L/B	20°
MH303	130mm	L/B	20°
MH304	150mm	L/B	20°
MH306	180mm	Bottom	20°
MH307	210mm	Bottom	20°
MH308	240mm	Bottom	20°

Cat No.	Width	Spindle	Cutting Angle
MH310	60mm	R/T	20°
MH311	80mm	R/T	20°
MH312	100mm	R/T	20°
MH313	130mm	R/T	20°
MH314	150mm	R/T	20°
MH316	180mm	Top	20°
MH317	210mm	Top	20°
MH318	240mm	Top	20°



PANEL RAISING

INSERT STYLE RAISED PANEL CUTTERS

NEW!



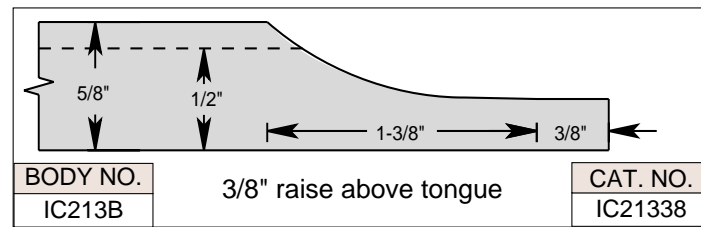
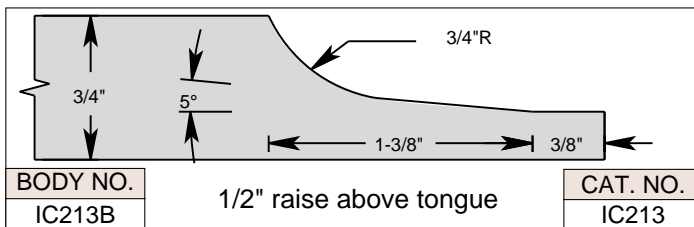
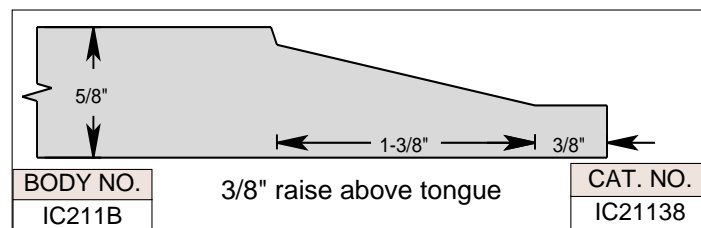
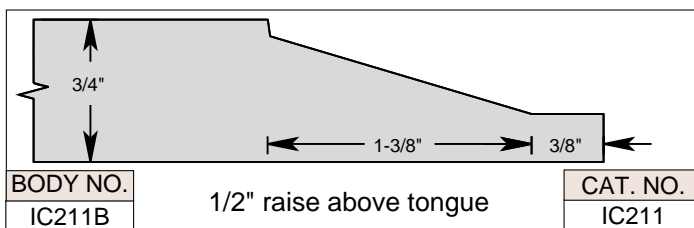
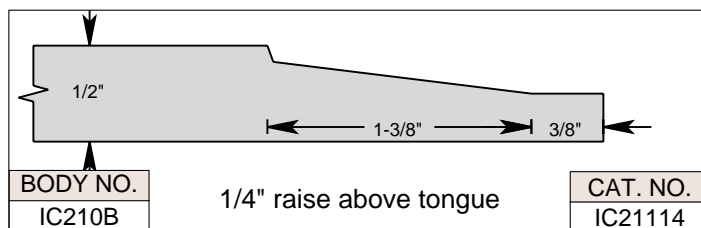
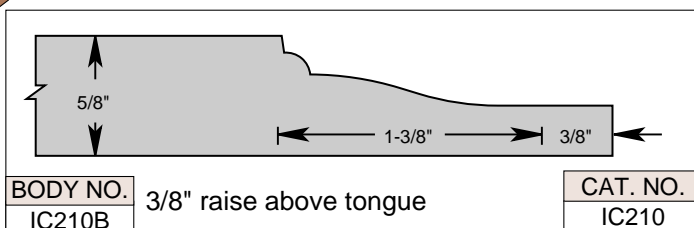
Our new Dual Profile Panel Raising Cutters are each made to support and cut two different patterns. Three body contours, 6 wood profiles available. 6" diameter, 1-1/4" bore, 15° hook, 10° shear.

A 2-1/2" bearing (CAT. NO. AC111) is used for pattern shaping. C-4 carbide inserts stand up to today's tough to cut materials. Standard rotation in counter clockwise rotation cutting over the wood. Order body for corresponding insert. Inserts not included in body price. Precision machined and ground on the latest CNC equipment.

Replacement Insert Screw

CAT. NO.

IC210SR



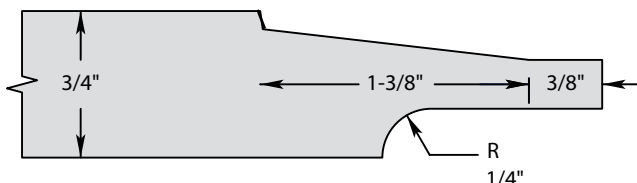
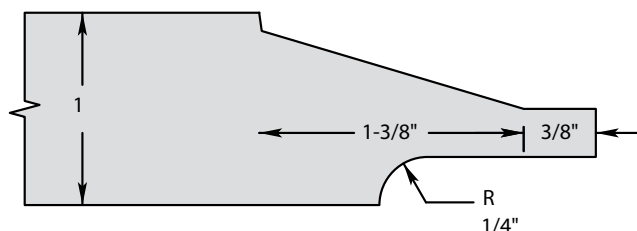
INSERT STYLE RAISED PANEL BACK CUTTER

Use our New Insert Style Back Cutter in conjunction with any of our solid body or insert style panel raising cutters to produce a decorative cut on the back side of raised panel cabinet doors. 4 3/4" diameter, 1-1/4" bore. One 1 1/4" diameter spacer included

NEW!



BACK CUTTER AND PARTS		CAT. NO.
Insert Back Cutter complete		IC209
Replacement Carbide Cutters		IC209C
Replacement Screw		INKS414S
T15 Torx Wrench		INKS414TW





INSERT STILE AND RAIL

INSERT STILE AND RAIL CUTTERS FOR KITCHEN CABINET DOORS. WING CUTTERS OR ROUTER BITS

Using ONLY Two steel bodies you can cut any of these Six Profiles

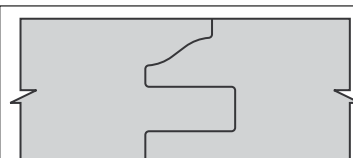
Manufactured to precision tolerances, these alloy steel bodies can accommodate any of the six profiles shown without backer plates. Using the stile cutter to cut the pattern cuts and the rail cutter to cut the cope cut, these cutters produce a perfect fit every time. All inserts are ground to same center line for ease of set up.

Carbide tips are available for cutting all types of woods and man made materials. All inserts are 30mm wide to accommodate material thicknesses from 3/4" to 1".

Inserts are not included in cost of bodies. Cutters are made to run in a counter clockwise rotation with the wood face down.

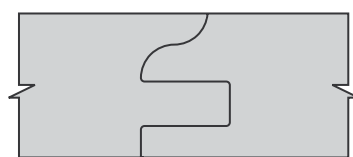
Also in 4" diameter, 3" minor. Please specify

Custom profiles and diameters on request.



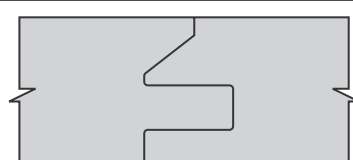
PROFILE NO. ISR10

Stile Insert CAT. NO. ISR10SC
Rail Insert CAT. NO. ISR10RC



PROFILE NO. ISR20

Stile Insert CAT. NO. ISR20SC
Rail Insert CAT. NO. ISR20RC



PROFILE NO. ISR30

Stile Insert CAT. NO. ISR30SC
Rail Insert CAT. NO. ISR30RC

Cutter Specifications:

- 4-1/2" Diameter • 20° Cutting angle
- 1-1/4" Bore • 3 Wings
- Tip width - 30mm (1.1811")
- Black Oxide Finish
- 3-1/2" min. dia.. (Use bearing AC115)
- Bushings for other bore sizes available

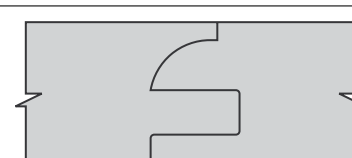


Rail head
CAT. NO.
ISRH100R



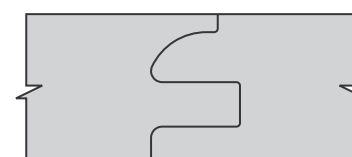
Stile head
CAT. NO.
ISRH100S

Extras	CAT. NO.
Screws	ISR800
Gibs	ISR801



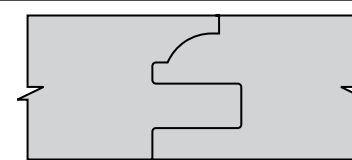
PROFILE NO. ISR40

Stile Insert CAT. NO. ISR40SC
Rail Insert CAT. NO. ISR40RC



PROFILE NO. ISR50

Stile Insert CAT. NO. ISR50SC
Rail Insert CAT. NO. ISR50RC



PROFILE NO. ISR60

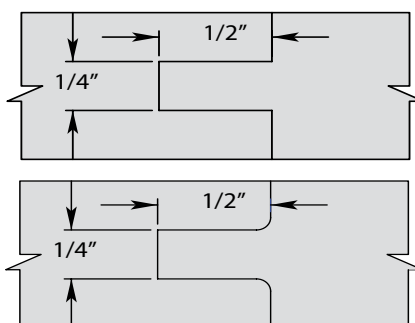
Stile Insert CAT. NO. ISR60SC
Rail Insert CAT. NO. ISR60RC

INSERT STYLE SHAKER DOOR SET

Produce shaker style doors with or without eased edges with this this dedicated set.

Cutter Specifications:

- 4-1/2" Diameter • 20° Cutting angle
- 1-1/4" Bore • 3 Wings
- Tip width - 30mm (1.1811")
- Black Oxide Finish
- 3-1/2" min. dia.. (Use bearing AC113)
- Bushings for other bore sizes available.
- Also available with eased edges.



BODIES AND INSERTS	CAT. NO.
Body to cut tongue	ISRH700R
Body to cut groove	ISRH700S
Tongue insert	ISR70RC
Groove insert	ISR70SC
Tongue insert w/ eased edge	ISR70RCEE
Groove insert w/ eased edge	ISR70SCCEE

Technical Assistance & Inquiries: 1-201-391-5300 sales@cggsschmidt.com

STANDARD, CUSTOM & SPECIALTY ROUTER TOOLING

INSERT STYLE ROUTER BIT DOOR SET Using the same high quality carbide inserts as our popular three wing cabinet door shaper cutters, these two wing insert router bits give a superior cut on solid woods and man made materials. Each cutter supports the six profiles as shown on the previous page. Inserts and bodies sold separately. These tools can be used on CNC machines or hand held routers.

Cutter Specifications:

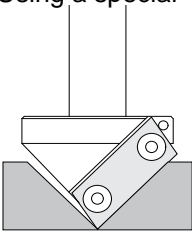
- 3-1/4" Diameter • 20° Cutting angle
- 3/4" Shank • 2 Wings
- Tip width - 30mm (1.1811")
- Black Oxide Finish
- 2-1/4" min. dia..

Stile Cutter	
CAT. NO.	IR100S
Rail Cutter	
CAT. NO.	IR100R



V-GROOVE / 45° CHAMFER ROUTER BIT Designed for V-grooving and folding. Using a special insert with 15° bevels producing a perfect 90° angle. Can also be used to chamfer material up to 1" thick. 2 cutting edges per insert.

			Insert	Tool
Dia..	Shank	Width	CAT. NO.	CAT. NO.
50mm	3/4"	25mm	IRC4012	IR400



CORRUGATED BACK ROUTER HEAD AND KNIVES Designed specifically to be used on CNC Routers capable of accepting 3/4" shafts, this tool allows the use of conventional corrugated knives on this type of machine. Most mill shops are already using corrugated steel somewhere in their shop whether on a shaper, tenoner or moulder. An inexpensive way to produce samples or small runs using steel knives or use our carbide knives for long production runs. We offer the complete system to get you up and running fast. Knives for both straight cuts and profiling are readily available. Clockwise and counterclockwise rotations available.

Specifications:

- 2-1/2" Cutting circle
- Alloy Steel Construction
- 3/4" Shaft
- 1/4" and 5/16" thick corrugated knives

- Knives for straight and pattern cuts are available
- 15° cutting angle
- 2" cutting width
- Cut up to 3/4" deep patterns

Straight Knives	Steel	Carbide
DIMENSIONS	CAT. NO.	CAT. NO.
2" x 3/4" x 5/16"	CB155	CT155

Sold in pairs

CAT.NO.
RH100 CW
RH101 CC



- Recommended RPM 8,000 to 12,000 Max.

RH100

CUSTOM MADE ROUTER TOOLING AND ROUTER BITS

Stile and Rail Tools • Hand Rail Sets • Moulding Profiles • Hogging and Profiling Cutters • We manufacture custom tooling for your router whether it be a pin router, hand held or CNC machine. Send us you machine specs and your tooling requirements and we will custom design a tool specifically for your application. We manufacture brazed tools, diamond tools, insert style tools and corrugated back heads with arbor mounted designs for larger CNC machines. Let us quote your next tool.



Insert Style
bull nose
router bit,
3/4" shank



Carbide tipped
hand rail router
bit with ball
bearing guide



3/4" Bore
insert cutter
mounted on
a Cat 40
custom made
arbor

CARBIDE INSERTS, CUSTOM INSERT TOOLING

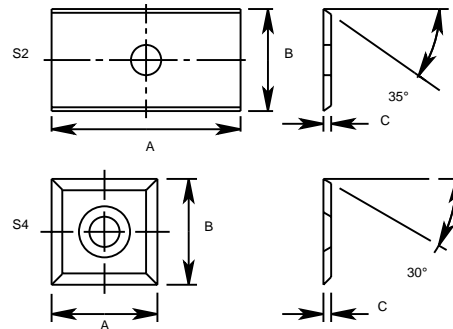


CARBIDE INSERTS
CUSTOM INSERT HEADS

SOLID CARBIDE INDEXABLE INSERTS TURNABLE STRAIGHT KNIVES

Indexable inserts are available in a variety of sizes. See chart for complete selection.

STYLE	A	B	C	KVS/PKG	CAT.NO.
S2	1/4" x 12 x 1.5mm			10	INKS202
S2	7.65 x 12 x 1.5mm			10	INKS207
S2	15 x 12 x 1.5mm			10	INKS215
S2	20 x 12 x 1.5mm			10	INKS220
S2	25 x 12 x 1.5mm			10	INKS225
S2	30 x 12 x 1.5mm			10	INKS230
S2	40 x 12 x 1.5mm			10	INKS240
S2	50 x 12 x 1.5mm			10	INKS250
S2	60 x 12 x 1.5mm			10	INKS260
S2	80 X 13 X 2.2mm			10	INKS280
S4	14 x 14 x 1.2mm			10	INKS410
S4	12 x 12 x 1.5mm			10	INKS412
S4	13 x 13 x 2.5mm			10	INKS413
S4	14 x 14 x 2.0mm			10	INKS414
S4	15 x 15 x 2.5mm			10	INKS415
S4	17 x 17 x 2.0mm			10	INKS417
S4	18 x 18 x 1.95mm			10	INKS418



NEW!

NEW!

REPLACEMENT SCREWS AND TORX WRENCHES

CAT. NO.	Description
INKS414S	Replacement screw for INKS414
INKS414TW	Torx wrench for INKS414S
INKS415S	Replacement screw for INKS415
INKS415TW	Torx wrench for INKS415S

All inserts have a hole size of 4.0mm, except INKS414, which has a hole size of 6.5mm with chamfer.

SOLID CARBIDE PROFILED INSERTS

PROFILED inserts are available in a variety of sizes. See chart for complete selection.

Cutting edge width determined by first number. Height by second

Pricing single sided carbide inserts for our heads can be done using this chart. Determine the the cutting edge width and the height of the insert. Prices are for individual inserts. Minimum quantity of 6 pieces per profile. Maximum depth of cut for the largest single sided insert is .787". Double sided inserts are approx 20% more.

Insert Width	20mm	25mm	30mm	35mm	40mm	50mm	60mm	80mm
Insert Height	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.
20mm	IC2020SS		IC3020SS	IC3520SS	IC4020SS	IC5020SS	IC6020SS	
25mm	IC2025SS	IC2525SS	IC325SS	IC3525SS	IC425SS	IC5025SS	IC6025SS	IC8025SS
30mm	IC2030SS	IC2530SS	IC330SS	IC3530SS	IC430SS	IC5030SS	IC6030SS	IC8030SS
35mm	IC2035SS	IC2535SS	IC3035SS	IC3535SS	IC435SS	IC5035SS	IC6035SS	IC8035SS
40mm	IC2040SS		IC3040SS	IC3540SS	IC4040SS	IC5040SS	IC6040SS	IC8040SS

NEW!



DEDICATED INSERT HEADS



Our dedicated insert heads will save you money and time in applications where consistent profiles are needed over very long runs, and in abrasive man-made materials. There is no need for extra cutters, and down time is minimized because of the accuracy and repeatability of our inserts.

Available in C4 carbide, these inserts, made to industry standards, are always readily available and will last many times longer than comparable brazed tooling. Depending on width and depth of profile, multiple cutting edges can be put on an insert, making them even more economical. Below you will see a chart to give you an idea of what our insert cutter will cost. These cutters are three wing. This cost is for the bodies alone. Using the insert chart above will give you an accurate cost of each insert. Cutters with additional wings or hydro bores for greater running speeds can be quoted on request.



Insert Width	20mm	25mm	30mm	35mm	40mm	50mm	60mm	80mm
Diameter	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.
4" to 5"	ID3420	ID3425	ID3430	ID3435	ID3440	ID3450	ID3460	ID3480
Over 5" to 6"	ID3520	ID3525	ID3530	ID3535	ID3540	ID3550	ID3560	ID3580
Over 6" to 7"	ID3620	ID3625	ID3630	ID3635	ID3640	ID3650	ID3660	ID3680
Over 7" to 8"	ID3720	ID3725	ID3730	ID3735	ID3740	ID3750	ID3760	ID3780

Standard bores for these cutters are 30mm, 1-14", 1-1/2", 40mm, 1-13/16", 2-1/8"

• Black Oxide finish

Technical Assistance & Inquiries: 1-201-391-5300 FAX: 1-201-391-3565

COMPRESSION SPIRALS

Our Solid Carbide Spirals are made from High Quality Micro-grain carbide to give optimum performance in all materials. Choose the proper cutting geometry by using the chart below. We have a bit for you. **Made in USA.**

- **UPCUT** - Designed for routing, grooving and slotting in both hard and soft woods, plastics, nonporous material, and composites. Use when bottom finish is important, and part hold down is not an issue. Creates an upward chip removal.
- **DOWNCUT** - Designed to hold material down during templating and thru cutting. Intended to eliminate or reduce chipping on the top edge. Helps hold parts to table during cutting.
- **COMPRESSION** - Spiral bit with an up and down cutting edge. Designed to produce a chip free finish on the top and bottom in solid wood, wood composites, veneer and laminated materials.
- **MORTISE COMPRESSION** - Compression bit with a shorter upcut. Designed to produce mortise and dado cuts when top finish is important.
- **CHIPBREAKER** - Designed to produce a good finish, while allowing for faster feed rates.
- **ROUGHER** - Designed to allow for extremely fast hogging in solid wood and wood composites. Not designed to produce finish cuts, in most applications.
- **LAMINATE GRADE** - Designed for extended tool life in MDF, especially with single or double sided laminate finishes.
- **CHIPLOAD** = $\frac{\text{Feed Rate}}{(\text{RPM} \times \text{NO. Flutes})}$ **RPM** = $\frac{\text{Feed Rate}}{(\text{NO. Flutes} \times \text{ChipLoad})}$

$$\text{Feed Rate} = \text{NO. Flutes} \times \text{RPM} \times \text{ChipLoad}$$

COMPRESSION SPIRALS

CAT. NO.	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
One Flute Compression Spirals				
RCC1236	1/4"	7/8"	1/4"	2-1/2"
RCC1304	3/8"	1"	3/8"	3"
RCC1354	1/2"	1-1/4"	1/2"	3"
RCC1364	1/2"	1-5/8"	1/2"	3-1/2"
RCC1414	5/8"	2"	5/8"	4"
RCC1454	3/4"	2"	3/4"	4"
Two Flute Compression Spirals				
RCC2236	1/4"	7/8"	1/4"	2-1/2"
RCC2238	1/4"	1"	1/4"	2-1/2"
RCC2310	3/8"	1-1/4"	3/8"	3"
RCC2352	1/2"	1-1/8"	1/2"	3"
RCC2354	1/2"	1-1/4"	1/2"	3"
RCC2360	1/2"	1-3/8"	1/2"	3"
RCC2362	1/2"	1-3/8"	1/2"	3-1/2"
RCC2364	1/2"	1-5/8"	1/2"	3-1/2"
RCC2368	1/2"	1-7/8"	1/2"	4"
RCC2372	1/2"	2-1/8"	1/2"	4"
RCC2410	5/8"	1-5/8"	5/8"	3-1/2"
RCC2414	5/8"	2"	5/8"	4"
RCC2454	3/4"	2"	3/4"	4"
RCC2456	3/4"	2-1/2"	3/4"	5"
Three Flute Compression Spirals				
RCC3310	3/8"	1-1/4"	3/8"	3"
RCC3354	1/2"	1-1/4"	1/2"	3"
RCC3360	1/2"	1-3/8"	1/2"	3"
RCC3364	1/2"	1-5/8"	1/2"	3-1/2"
RCC3414	5/8"	2"	5/8"	4"
RCC3454	3/4"	2"	3/4"	4"

SINGLE FLUTE

Designed to cut double sided laminated or veneered material to achieve an excellent finish on both top and bottom edges. Use a single flute tool for slow to moderate feed rates.



DOUBLE FLUTE

Use a double flute tool for middle of the road standard feed rates to achieve an excellent finish



THREE FLUTE

Where the fastest feed rate is needed and still get an excellent finished edge on both top and bottom.



UPCUT AND DOWNCUT SPIRALS

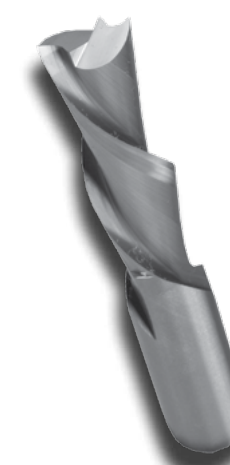


CAT. NO. Upcut	CAT. NO. Downcut	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
One Flute Upcut / Downcut Spirals					
RCU1238	RCD1238	1/4"	1"	1/4"	2-1/2"
RCU1262	RCD1262	5/16"	1"	5/16"	3"
RCU1304	RCD1304	3/8"	1"	3/8"	3"
RCU1362	RCD1362	1/2"	1-3/8"	1/2"	3-1/2"
Two Flute Upcut/Downcut Spirals					
RCU2172	RCD2172	1/8"	1/2"	1/4"	2"
RCU2190	RCD2190	5/32"	1/2"	1/4"	2"
RCU2204	RCD2204	3/16"	3/4"	1/4"	2"
RCU2222	RCD2222	7/32"	3/4"	1/4"	2-1/2"
RCU2236	RCD2236	1/4"	7/8"	1/4"	2-1/2"
RCU2238	RCD2238	1/4"	1"	1/4"	2-1/2"
RCU2240	RCD2240	1/4"	1-1/4"	1/4"	2-1/2"
RCU2262	RCD2262	5/16"	1"	5/16"	3"
RCU2264	RCD2264	5/16"	1-1/4"	5/16"	3"
RCU2304	RCD2304	3/8"	1"	3/8"	3"
RCU2306	RCD2306	3/8"	1-1/8"	3/8"	3"
RCU2310	RCD2310	3/8"	1-1/4"	3/8"	3"
RCU2312	RCD2312	3/8"	1-1/4"	1/2"	3"
RCU2332	RCD2332	7/16"	1"	1/2"	3"
RCU2334	RCD2334	7/16"	1-1/4"	1/2"	3"
RCU2354	RCD2354	1/2"	1-1/4"	1/2"	3"
RCU2364	RCD2364	1/2"	1-5/8"	1/2"	3-1/2"
RCU2370	RCD2370	1/2"	2"	1/2"	4"
RCU2372	RCD2372	1/2"	2-1/8"	1/2"	4"
RCU2390	RCD2390	17/32"	1"	1/2"	3"
RCU2410	RCD2410	5/8"	1-5/8"	5/8"	3-1/2"
RCU2414	RCD2414	5/8"	2"	5/8"	4"
RCU2450	RCD2450	3/4"	1-1/2"	3/4"	4"
RCU2454	RCD2454	3/4"	2"	3/4"	4"
RCU2460	RCD2460	3/4"	3"	3/4"	6"
RCU2462	RCD2462	3/4"	3-1/2"	3/4"	6"
Three Flute Upcut/Downcut Spirals					
RCU3234	RCD3234	1/4"	3/4"	1/4"	2-1/2"
RCU3310	RCD3310	3/8"	1-1/4"	3/8"	3"
RCU3354	RCD3354	1/2"	1-1/4"	1/2"	3"
RCU3366	RCD3366	1/2"	1-5/8"	1/2"	4"
RCU3370	RCD3370	1/2"	2"	1/2"	4"
RCU3410	RCD3410	5/8"	1-5/8"	5/8"	3-1/2"
RCU3414	RCD3414	5/8"	2"	5/8"	4"
RCU3450	RCD3450	3/4"	1-1/2"	3/4"	4"
RCU3454	RCD3454	3/4"	2"	3/4"	4"
RCU3460	RCD3460	3/4"	3"	3/4"	6"
RCU3462	RCD3462	3/4"	3-1/2"	3/4"	6"



UPCUT SPIRAL

Manufactured to cut solid wood, wood composites and some plastics, these tools are used where an upward chip removal is required and an excellent finish on bottom edge is needed. Additional hold down pressure is required for faster, more aggressive feed rates



DOWNCUT SPIRAL

Three flute downcut spirals are used for a high feed rate applications and excellent, smooth finish on the top edge.

SHARPENING:

Sharpening services available at a fraction of the cost of new bits.

Note: Not all sizes listed

MORTISE COMPRESSION & SLOW SPIRALS

CAT. NO.	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
One Flute Mortise Compression Spirals				
RCM1238	1/4"	1"	1/4"	2-1/2"
RCM1310	3/8"	1-1/4"	3/8"	3"
RCM1362	1/2"	1-3/8"	1/2"	3-1/2"
RCM1364	1/2"	1-5/8"	1/2"	3-1/2"
Two Flute Mortise Compression Spirals				
RCM2238	1/4"	1"	1/4"	2-1/2"
RCM2310	3/8"	1-1/4"	3/8"	3"
RCM2354	1/2"	1-1/4"	1/2"	3"
RCM2362	1/2"	1-3/8"	1/2"	3-1/2"
RCM2364	1/2"	1-5/8"	1/2"	3-1/2"
Three Flute Mortise Compression Spirals				
RCM3310	3/8"	1-1/4"	3/8"	3"
RCM3354	1/2"	1-1/4"	1/2"	3"
RCM3360	1/2"	1-3/8"	1/2"	3"
RCM3364	1/2"	1-5/8"	1/2"	3-1/2"
RCM3414	5/8"	2"	5/8"	4"

MORTISE COMPRESSION

Designed to cut double sided laminated or veneered material. These bits are used where an excellent finish is required with a short upcut to allow mortise cut when a down cut is required.



SLOW SPIRALS

CAT. NO. Upcut	CAT. NO. Downcut	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
Two Flute Upcut/Downcut Slow Spirals					
RCUS2230	RCDS2230	1/4"	3/8"	1/4"	2-1/2"
RCUS2234	RCDS2234	1/4"	3/4"	1/4"	2-1/2"
RCUS2240	RCDS2240	1/4"	1-1/4"	1/4"	2-1/2"
RCUS2304	RCDS2304	3/8"	1"	3/8"	3"
RCUS2354	RCDS2354	1/2"	1-1/4"	1/2"	3"
RCUS2364	RCDS2364	1/2"	1-5/8"	1/2"	3-1/2"
Three Flute Upcut/Downcut Slow Spirals					
RCUS3310	RCDS3310	3/8"	1-1/4"	3/8"	3"
RCUS3354	RCDS3354	1/2"	1-1/4"	1/2"	3"
RCUS3364	RCDS3364	1/2"	1-5/8"	1/2"	3-1/2"
RCUS3368	RCDS3368	1/2"	1-7/8"	1/2"	4"
RCUS3454	RCDS3454	3/4"	2"	3/4"	4"
Three Flute Upcut/Downcut Slow Spiral Roughers					
RCUSR3304	RCDSR3304	3/8"	1"	3/8"	3"
RCUSR3362	RCDSR3362	1/2"	1-3/8"	1/2"	3-1/2"
RCUSR3364	RCDSR3364	1/2"	1-5/8"	1/2"	3-1/2"
RCUSR3368	RCDSR3368	1/2"	1-7/8"	1/2"	4"
RCUSR3414	RCDSR3414	5/8"	2"	5/8"	4"
RCUSR3454	RCDSR3454	3/4"	2"	3/4"	4"

Note: Not all sizes listed

DOWNCUT SLOW SPIRALS

Manufactured to cut dense hardwood, solid surface material and hard plastics. These bits utilize a downward chip removal and produce superior top edge.

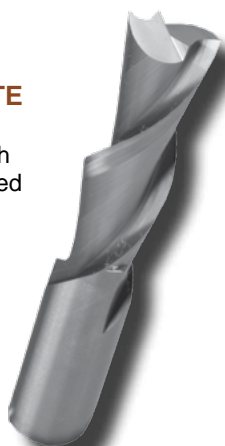


UPCUT SLOW SPIRALS

Manufactured to cut dense hardwood, solid surface material and hard plastics. These bits utilize an upward chip removal and produce superior bottom edge.

TWO FLUTE

Good part pressure with moderate feed rates



Designed to cut today's MDF and products with Melamine laminate, these tools stand up to these abrasive products and give an excellent finish while achieving higher feedrates.



THREE FLUTE

These bits are used where an superior finish is required. Made with a short upcut on the bottom and a downward spiral on top for good part pressure.



UPCUT AND DOWNCUT LAMINATE GRADE SPIRALS

CAT. NO. Upcut	CAT. NO. Downcut	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
Two Flute Upcut/Downcut Laminate Grade Spirals					
RCUL2304	RCDL2304	3/8"	1"	3/8"	3"
RCUL2354	RCDL2354	1/2"	1-1/4"	1/2"	3"
RCUL2364	RCDL2364	1/2"	1-5/8"	1/2"	3-1/2"
Three Flute Upcut/Downcut Laminate Grade Spirals					
RCUL3304	RCDL3304	3/8"	1"	3/8"	3"
RCUL3350	RCDL3350	1/2"	1"	1/2"	3"
RCUL3364	RCDL3364	1/2"	1-5/8"	1/2"	3-1/2"

COMPRESSION LAMINATE GRADE SPIRALS

CAT. NO.	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
Two Flute Compression Laminate Grade Spirals				
RCCL2310	3/8"	1-1/4"	3/8"	3"
RCCL2352	1/2"	1-1/8"	1/2"	3"
RCCL2354	1/2"	1-1/4"	1/2"	3"
RCCL2362	1/2"	1-3/8"	1/2"	3"
RCCL2364	1/2"	1-5/8"	1/2"	3-1/2"
Three Flute Compression Laminate Grade Spirals				
RCCL3310	3/8"	1-1/4"	3/8"	3"
RCCL3354	1/2"	1-1/4"	1/2"	3"
RCCL3362	1/2"	1-3/8"	1/2"	3-1/2"
RCCL3364	1/2"	1-5/8"	1/2"	3-1/2"
RCCL3414	5/8"	2"	5/8"	4"

MORTISE COMPRESSION LAMINATE GRADE SPIRALS

CAT. NO.	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
Two Flute Mortise Compression Laminate Grade Spirals				
RCML2310	3/8"	1-1/4"	3/8"	3"
RCML2354	1/2"	1-1/4"	1/2"	3"
RCML2362	1/2"	1-3/8"	1/2"	3-1/2"
RCML2364	1/2"	1-5/8"	1/2"	3-1/2"
RCML2454	3/4"	2"	3/4"	4"
Three Flute Mortise Compression Laminate Grade Spirals				
RCML3310	3/8"	1-1/4"	3/8"	3"
RCML3354	1/2"	1-1/4"	1/2"	3"
RCML3362	1/2"	1-3/8"	1/2"	3-1/2"
RCML3364	1/2"	1-5/8"	1/2"	3-1/2"
RCML3414	5/8"	2"	5/8"	4"

CHIPBREAKER SPIRALS

UPCUT AND DOWNCUT CHIPBREAKER SPIRALS

CAT. NO. Upcut	CAT NO. Downcut	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
Two Flute Upcut/Downcut Chipbreaker Spirals					
RCUP2310	RCDP2310	3/8"	1-1/4"	3/8"	3"
RCUP2354	RCDP2354	1/2"	1-1/4"	1/2"	3"
RCUP2364	RCDP2364	1/2"	1-5/8"	1/2"	3-1/2"
RCUP2370	RCDP2370	1/2"	2"	1/2"	4"
RCUP2410	RCDP2410	5/8"	1-5/8"	5/8"	3-1/2"
RCUP2414	RCDP2414	5/8"	2"	5/8"	4"
RCUP2450	RCDP2450	3/4"	1-1/2"	3/4"	4"
RCUP2454	RCDP2454	3/4"	2"	3/4"	4"
Three Flute Upcut/Downcut Chipbreaker Spirals					
RCUP3310	RCDP3310	3/8"	1-1/4"	3/8"	3"
RCUP3354	RCDP3354	1/2"	1-1/4"	1/2"	3"
RCUP3364	RCDP3364	1/2"	1-5/8"	1/2"	3-1/2"
RCUP3370	RCDP3370	1/2"	2"	1/2"	4"
RCUP3410	RCDP3410	5/8"	1-5/8"	5/8"	3-1/2"
RCUP3414	RCDP3414	5/8"	2"	5/8"	4"
RCUP3450	RCDP3450	3/4"	1-1/2"	3/4"	4"
RCUP3454	RCDP3454	3/4"	2"	3/4"	4"

DOWN-CUT SPIRALS

Manufactured and designed to cut plywood, hardwoods and dense materials this tool is used where a superior finish needed is on the top edge with a downward chip removal. Faster feed rates with this tool are possible.



UP-CUT SPIRALS

Manufactured and designed to cut plywood, hardwoods and denser materials, this tool is used where a superior finish needed is on the bottom edge with an upward chip removal. Faster feed rates with this tool are possible.

COMPRESSION CHIPBREAKER SPIRALS

CAT. NO.	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
Two Flute Compression Chipbreaker Spirals				
RCCP2310	3/8"	1-1/4"	3/8"	3"
RCCP2352	1/2"	1-1/8"	1/2"	3"
RCCP2354	1/2"	1-1/4"	1/2"	3"
RCCP2368	1/2"	1-7/8"	1/2"	4"
RCCP2410	5/8"	1-5/8"	5/8"	3-1/2"
RCCP2414	5/8"	2"	5/8"	4"
RCCP2454	3/4"	2"	3/4"	4"
Three Flute Compression Chipbreaker Spirals				
RCCP3310	3/8"	1-1/4"	3/8"	3"
RCCP3354	1/2"	1-1/4"	1/2"	3"
RCCP3364	1/2"	1-5/8"	1/2"	3-1/2"
RCCP3414	5/8"	2"	5/8"	4"
RCCP3454	3/4"	2"	3/4"	4"



THREE FLUTE

Manufactured to cut plywood and solid wood. These tools are used where a superior finish is desired with very high feed rates.



ROUGHER SPIRALS

UPCUT AND DOWNCUT ROUGHER SPIRALS

CAT. NO. Upcut	CAT. NO. Downcut	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
Two Flute Upcut/Downcut Rougher Spirals					
RCUR2310	RCDR2310	3/8"	1-1/4"	3/8"	3"
RCUR2354	RCDR2354	1/2"	1-1/4"	1/2"	3"
RCUR2356	RCDR2356	1/2"	1-1/4"	1/2"	3-1/2"
RCUR2364	RCDR2364	1/2"	1-5/8"	1/2"	3-1/2"
RCUR2372	RCDR2372	1/2"	2-1/8"	1/2"	4"
RCUR2414	RCDR2414	5/8"	2"	5/8"	4"
RCUR2454	RCDR2454	3/4"	2"	3/4"	4"
Three Flute Upcut/Downcut Rougher Spirals					
RCUR3302	RCDR3302	3/8"	1"	3/8"	2-1/2"
RCUR3304	RCDR3304	3/8"	1"	3/8"	3"
RCUR3310	RCDR3310	3/8"	1-1/4"	3/8"	3"
RCUR3312	RCDR3312	3/8"	1-1/4"	1/2"	3-1/2"
RCUR3354	RCDR3354	1/2"	1-1/4"	1/2"	3"
RCUR3364	RCDR3364	1/2"	1-5/8"	1/2"	3-1/2"
RCUR3372	RCDR3372	1/2"	2-1/8"	1/2"	4"
RCUR3414	RCDR3414	5/8"	2"	5/8"	4"
RCUR3454	RCDR3454	3/4"	2"	3/4"	4"



TWO FLUTE

Manufactured to cut solid woods and wood composites these tools are used for fast routing or hogging with higher feed rates. Down cut style provides better part hold down. Up-cut provides better chip removal.

THREE FLUTE

Same characteristics as the two flute tools though faster feed rates can be achieved with these bits.

COMPRESSION ROUGHER SPIRALS

CAT. NO.	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
Two Flute Compression Rougher Spirals				
RCCR2352	1/2"	1-1/8"	1/2"	3"
RCCR2354	1/2"	1-1/4"	1/2"	3"
RCCR2368	1/2"	1-7/8"	1/2"	4"
RCCR2414	5/8"	2"	5/8"	4"
RCCR2454	3/4"	2"	3/4"	4"
Three Flute Compression Rougher Spirals				
RCCR3310	3/8"	1-1/4"	3/8"	3"
RCCR3354	1/2"	1-1/4"	1/2"	3"
RCCR3364	1/2"	1-5/8"	1/2"	3-1/2"
RCCR3414	5/8"	2"	5/8"	4"
RCCR3454	3/4"	2"	3/4"	4"



Plywood, MDF and solid woods are easily cut with these tools where finish is not important but long tool life and high feed rates are required.

ROUGHER/FINISHER SPIRALS

CAT. NO. Upcut	CAT. NO. Downcut	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
Four Flute Upcut/Downcut Rougher/Finisher Spirals					
RCUF4354	RCDF4354	1/2"	1-1/4"	1/2"	3"
RCUF4364	RCDF4364	1/2"	1-5/8"	1/2"	3-1/2"
RCUF4414	RCDF4414	5/8"	2"	5/8"	4"
RCUF4454	RCDF4454	3/4"	2"	3/4"	4"

FOUR FLUTE

Designed to cut solid woods, wood composites and some plastics, these bits provide a downward or upward chip removal, a superior finish on top or bottom and very fast feed rates.

Contact Charles G.G. Schmidt & Co., Inc. for proper ChipLoad for your tool and application

Technical Assistance & Inquiries: 1-201-391-5300 sales@cggsschmidt.com

O-FLUTE CUTTERS

O-FLUTE STRAIGHT CUTTERS

CAT. NO.	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
One O-Flute Straight Cutters				
RCO1172	1/8"	1/2"	1/4"	2"
RCO1202	3/16"	5/8"	1/4"	2"
RCO1232	1/4"	1/2"	1/4"	2-1/2"
RCO1238	1/4"	1"	1/4"	2-1/2"
RCO1242	1/4"	1-1/4"	1/4"	3"
RCO1300	3/8"	7/8"	3/8"	2-1/2"
RCO1304	3/8"	1"	3/8"	3"
RCO1350	1/2"	1"	1/2"	3"
RCO1364	1/2"	1-5/8"	1/2"	3-1/2"
Two O-Flute Straight Cutters				
RCO2172	1/8"	1/2"	1/4"	2"
RCO2202	3/16"	5/8"	1/4"	2"
RCO2232	1/4"	1/2"	1/4"	2-1/2"
RCO2238	1/4"	1"	1/4"	2-1/2"
RCO2242	1/4"	1-1/4"	1/4"	3"
RCO2300	3/8"	7/8"	3/8"	2-1/2"
RCO2304	3/8"	1"	3/8"	3"
RCO2350	1/2"	1"	1/2"	3"
RCO2364	1/2"	1-5/8"	1/2"	3-1/2"

SINGLE FLUTE

Manufactured with a straight flute to cut soft plastics, these bits provide a good finish without tearing or chipping the material.



TWO FLUTE

Manufactured with a straight flute to cut soft plastics, these bits provide a good finish with out tearing or chipping the material.

O-FLUTE UPCUT AND DOWNCUT SPIRALS

CAT. NO. Upcut	CAT. NO. Downcut	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
One O-Flute Upcut/Downcut Spirals					
RCUO1172	RCDO1172	1/8"	1/2"	1/4"	2"
RCUO1202	RCDO1202	3/16"	5/8"	1/4"	2"
RCUO1236	RCDO1236	1/4"	7/8"	1/4"	2-1/2"
RCUO1306	RCDO1306	3/8"	1-1/8"	3/8"	3"
RCUO1352	RCDO1352	1/2"	1-1/8"	1/2"	3"
Two O-Flute Upcut/Downcut Spirals					
RCUO2238	RCDO2238	1/4"	1"	1/4"	2-1/2"
RCUO2262	RCDO2262	5/16"	1"	5/16"	3"
RCUO2304	RCDO2304	3/8"	1"	3/8"	3"
RCUO2364	RCDO2364	1/2"	1-5/8"	1/2"	3-1/2"

SINGLE FLUTE

Up-cut design is used to cut soft and hard plastics and where an upward chip removal is needed. Down-cut cut the same material with a downward chip evacuation.

TWO FLUTE

These tools are designed and manufactured to cut harder plastics and aluminum. Downward spiral provide an excellent finish on top and better hold down. Up-cut is used where upward chip removal is required



Z-FLUTE STRAIGHT CUTTERS

CAT NO.	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
One Z-Flute Straight Cutters				
RCZ1172	1/8"	1/2"	1/4"	2"
RCZ1202	3/16"	5/8"	1/4"	2"
RCZ1204	3/16"	3/4"	1/4"	2"
RCZ1236	1/4"	7/8"	1/4"	2-1/2"
RCZ1238	1/4"	1"	1/4"	2-1/2"
RCZ1304	3/8"	1"	3/8"	3"
RCZ1350	1/2"	1"	1/2"	3"
Two Z-Flute Straight Cutters				
RCZ2172	1/8"	1/2"	1/4"	2"
RCZ2192	5/32"	3/8"	1/4"	2"
RCZ2202	3/16"	5/8"	1/4"	2"
RCZ2204	3/16"	3/4"	1/4"	2"
RCZ2236	1/4"	7/8"	1/4"	2-1/2"
RCZ2304	3/8"	1"	3/8"	3"
RCZ2350	1/2"	1"	1/2"	3"
RCZ2354	1/2"	1-1/4"	1/2"	3"
RCZ2364	1/2"	1-5/8"	1/2"	3-1/2"



SINGLE FLUTE

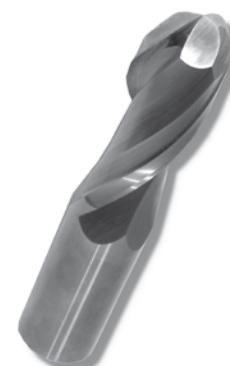
Designed for solid woods, wood composites, acrylics, plastics and solid surface materials these tools provide fast, free cutting and long edge life.

TWO FLUTE

Same characteristics as single flute tools though faster feed rates can be achieved

BALL END

CAT. NO.	Cutting Diameter	Cutting Length	Shank Diameter	Radius	Overall Length
RCB2170	1/8"	1/2"	1/6"	1/16"	1-1/2"
RCB2238	1/4"	1"	1/4"	1/8"	2-1/2"
RCB2304	3/8"	1"	3/8"	3/16"	3"
RCB2354	1/2"	1-1/4"	1/2"	1/4"	3"
RCB2410	5/8"	1-5/8"	5/8"	5/16"	3-1/2"
RCB2454	3/4"	2"	3/4"	3/8"	4"



TWO FLUTE

These bits are used to cut flutes and decorative channels in all types of materials at moderate feed rates

VEINING CUTTER

CAT. NO.	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
One Flute Veining Bit				
RCV1132	1/16"	3/8"	1/4"	2"

SINGLE FLUTE design, these bits cut well in solid wood, wood composites, veneered and laminated materials to create decorative cuts.

SPOILBOARD CUTTERS - HSK63F ARBORS

SPOILBOARD CUTTERS

CAT. NO.	Cutting Diameter	Shank Diameter	Number Wings
Straight Cut Spoil Board Cutters			
IR918S2	1-7/8"	1/2"	2"
IR925S2	2-1/2"	1/2"	2"
IR940S2	4"	3/4"	2"
IR940S3	4"	3/4"	3"
Upcut Spoil Board Cutters			
IR925U2	2-1/2"	1/2"	2"
IR940U2	4"	3/4"	2"
IR940U3	4"	3/4"	3"

Replacement inserts

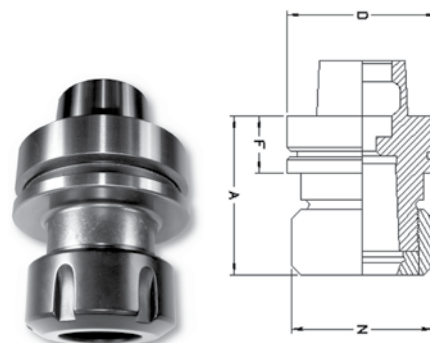
CAT. NO.	Description
INKS414	14mm x 14mm x 2mm Box of 10
INKS414S	Replacement screw



HSK 63F, 50F TOOL HOLDERS FOR CNC ROUTERS

Dimensions in millimeters

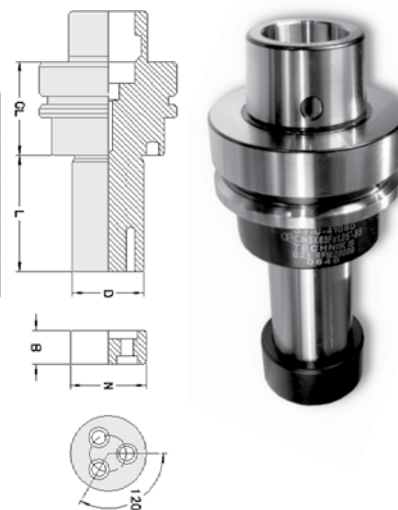
CAT. NO.	Description	D	A	F	N	Collet Nut	Wrench
TE40050	HSK 50 F X ER 32-80mm	50	80	26	50	TE46132	TE04616
TE17105008001	HSK 63 F X ER 16-60mm	63	60	26	32	TE46116	TE04613
TE17105008002	HSK 63 F X ER 16-100mm	63	100	26	32	TE46116	TE04613
TE30000	HSK 63 F X ER 32-70mm	63	70	26	50	TE46132	TE04616
TE30001	HSK 63 F X ER 40-76mm	63	76	26	63	TE46140	TE04617
TE30002	HSK 63 F X ER 40-90mm	63	90	26	63	TE46140	TE04617
TE30005	HSK 63 F X ER 40-125mm	63	125	26	63	TE46140	TE04617
TE41025	HSK 63 F X SYOZ 25-80mm	63	80	26	60	TE03638	TE03691



HSK 63F ARBORS FOR CNC ROUTERS

Dimensions in millimeters

CAT.NO.	Description	D	L	N	B	GL
TE41060	HSK 63F 1-1/4" arbor x 55mm	1-1/4"	55mm	42mm	20mm	45
TE410803H	HSK 63F 1-1/4" arbor x 80mm	1-1/4"	80mm	42mm	20mm	45
TE41085	HSK 63F 1-1/4" arbor x 100mm	1-1/4"	100mm	42mm	20mm	45
TE41087	HSK 63F 1-1/4" arbor x 112mm	1-1/4"	112mm	42mm	20mm	45



COLLETS, TOOL HOLDERS, ARBORS



ER PRECISION COLLETS INCH SIZE

ER 11	ER 16	ER 20	ER 25	ER 32	ER 40	SYOZ ₂₅	Range	Drill Shank
CAT. NO	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.	CAT.NO.			
TE04211116	TE04216116						.043 - .062	1/16
TE04211332	TE04216332	TE04220332	TE04225332	TE04232332			.054 - .093	3/32
TE04211118	TE04216118	TE04220118	TE04225118	TE04232118	TE04240118	TE040125	.086 - .125	1/8
TE04211532	TE04216532	TE04220532	TE04225532	TE04232532	TE04240532		.117 - .156	5/32
TE04211316	TE04216316	TE04220316	TE04225316	TE04232316	TE04240316	TE040167	.148 - .187	3/16
TE04211732	TE04216732	TE04220732	TE04225732	TE04232732	TE04240732		.179 - .218	7/32
TE04211114	TE04216114	TE04220114	TE04225114	TE04232114	TE04240114	TE040250	.211 - .250	1/4
	TE04216932	TE04220932	TE04225932	TE04232932	TE04240932		.242 - .281	9/32
	TE04216516	TE04220516	TE04225516	TE04232516	TE04240516	TE040312	.273 - .312	5/16
	TE042161132	TE042201132	TE042251132	TE042321132	TE042401132		.304 - .343	11/32
	TE0421638	TE0422038	TE0422538	TE0423238	TE0424038	TE040375	.336 - .375	3/8
	TE042161332	TE042201332	TE042251332	TE042321332	TE042401332		.367 - .406	13/32
		TE04220716	TE04225716	TE04232716	TE04240716	TE040437	.398 - .437	7/16
		TE042201532	TE042251532	TE042321532	TE042401532		.429 - .468	15/32
		TE0422012	TE0422512	TE0423212	TE0424012	TE040500	.461 - .500	1/2
			TE042251732	TE042321732	TE042401732		.492 - .531	17/32
			TE04225916	TE04232916	TE04240916	TE040562	.523 - .562	9/16
			TE042251932	TE042321932	TE042401932		.554 - .593	19/32
			TE0422558	TE0423258	TE0424058	TE040625	.586 - .625	5/8
				TE042322132	TE042402132		.617 - .656	21/32
				TE042321116	TE042401116		.648 - .687	11/16
				TE042322332	TE042402332		.679 - .718	23/32
				TE0423234	TE0424034	TE040750	.711 - .750	3/4
					TE0424078	TE040875	.836 - .875	7/8
					TE042401	TE041000	.961 - 1.00	1



- Clamping Range is .039" for ER collets. SYOZ₂₅ range is .015
 - ER Standard .0004" T.I.R
 - SYOZ₂₅ .0004 T.I.R
- Compatible with DR, RD, ESX, AR and BR series collets. All collets inspected for quality and accuracy.

- Call for available Metric Sizes

BT 30 TOOL HOLDERS FOR CNC ROUTERS

Dimensions in millimeters

CAT.NO.	Description	D	A	F	N	Collet Nut	Wrench
TE06106W	BT 30 x ER 20-70mm w/o slots	46	70	20	35	TE46120	TE04614
TE06112	BT 30 x ER 32-60mm with slots	46	60	20	50	TE46132	TE04616
TE06113W60	BT 30 x ER 32-60mm w/o slots	46	60	20	50	TE46132	TE04616
TE06113W90	BT 30 x ER 32-90mm w/o slots	46	90	20	50	TE46132	TE04616
TE06113	BT 30 x ER 20-70mm w/o slots	46	70	20	50	TE46132	TE04616
TE06001W	BT 30 x SYOZ 25-70mm w/o slots	46	70	20	60	Included	TE03691
TE06001	BT 30 x SYOZ 25-70mm	46	70	20	60	Included	TE03691



DIAMOND BITS - DUST EXTRACTING NUTS - DUSTEK

NEW!



These Dust Extracting Nuts are extremely effective in removing dust and chips from the work table during a high speed operation. Available in two sizes, 97.5mm (Max tool diameter of 70mm) and 80mm (Max tool diameter of 60mm) for ER32 and ER40 collets. Quantity Pricing for 5 or more units

- Light weight design .090 lbs
- Rust resistant
- Easy installation
- Balanced to 25,000 rpm
- Extend tool life
- For HSK 63F Tool Holders(ER32 & ER40)

97.5mm Dia. Max tool Dia 70mm	80mm Dia. Max tool Dia 60mm
CAT. NO.	CAT. NO.
RB97032	RB80032



OUR POLYCRYSTALLINE DIAMOND TOOLING will cut a wide variety of tough, abrasive materials including particleboard, medium density fiberboard (MDF), plywood and plastic. Up/down (compression) shear provides clean cuts on double-sided melamine panels while the cutting edge lasts up to 150 times longer than carbide. Diamond boring point allows for plunging straight down. What may seem expensive is really a way to save money. Your machine runs longer, you cut more parts and tool changes are much less frequent. Polycrystalline Diamond is the most economical choice. These tools can be re-sharpened 2 or 3 times.

CAT. NO.	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length
DT1003D	3/8"	1"	1/2"	3"
DT1010D	1/2"	1"	1/2"	3"
DT1015D	1/2"	1-3/8"	1/2"	3-1/2"
DT1025D	5/8"	1"	5/8"	3-1/2"
DT1030D	5/8"	1-3/8"	5/8"	3-1/2"



NEW!

DUSTEK DUST COLLECTORS

This is a great unit and works very well with any of these and other machines too. Efficient with a low DBA rating, this unit is an excellent choice for a small shop. Need something bigger? We can supply any Dustek system. We will be glad to quote you a system just right for you.

DUSTEK "DUSTY" MODEL JR-31

- 3HP single phase, 230 volt, high efficiency, 3450 RPM, TEFC motor with push button magnetic starter
- 12" diameter, precision balanced, steel impeller, and a bag filtration rating of 30 microns.
- Casters included for mobility & temporary installations
- Fabric collection bag (2). Plastic bags and quick release straps are optional
- Fabric filter bag (2)



Specifications:

- Total storage capacity: 24ft.3 cubic utilizing cloth or plastic collection bags
- Inlet diameter-6" with removable triple inlet manifold included. 4" hose required
- Height of inlet from floor-12"
- Suction capacity- 2200 CFM at 18" of static pressure
- Weight: 177 lbs.
- Over-all dimensions: 61"L x 22" W x 79"T
- Top bag length: 32"
- DBA level 72

Description	CAT. NO.
Dusty JR-31	DC1000
Quick release strap	DC2000
Box of 10 Plastic bags	DC2001
12" Steel Impeller JR-31	DC2002
(Re-usable) Fabric Filter Bag	DC2003
(Re-usable) Fabric Collection Bag	DC2004

SHOP FOX MOULDER/PLANER This next generation Planer / Moulder features precision ground cast iron wings for greater work support, T-slots for easy guide rail adjustment, pedestal mounted switch, improved chip clearance, one-piece enclosed stand and variable speed control for unsurpassed planing and moulding capability. Open end design allows you to make elliptical mouldings with the optional elliptical jig. If you make your own mouldings and frames, you need this machine. Add the mobile base for ease of moving. This machine uses the same type knife as the W & H Molder. See our pre-profiled knives on pages 21-28. Custom made knives are also available

NEW!



Specifications

- Motor: 2HP, 240V, single-phase, TEFC, 3450 RPM
- Amps: 10.8
- Power transfer: V-belt
- Overall dimensions: 36-1/4"L x 22"W x 34-1/2"H
- Maximum planing width: 7"
- Maximum planing depth: 1/8"
- Maximum planing height: 7-1/2"
- Maximum profile width: 6-3/4"
- Maximum profile depth: 3/4"
- Minimum stock thickness: 1/4"
- Minimum stock length: 9"
- Cutter head speed: 7000 PRM
- Feed speed: 0 - 18 FPM
- 2 HSS knives 7-1/8"L x 1-1/2"W x 1/4"T
- Shipping weight is 370 lbs

Description	CAT. NO.
Shop Fox Moulder/ Planer	SFW1812
Mobile Base	WH220

Elliptical Jig for Shop Fox Machines

This Elliptical Jig enables the Mini Planer/Moulder to make high-quality arched casings and mouldings with the same profile normally produced when cutting straight runs of moulding. Ideal for round-top windows and arched doorways that are characteristic of fine custom woodworking. This jig requires a shop-made 3/4" thick template of the same arc or radius as the work piece. Maximum width capacity is 51/2". For smooth, easy feeding we recommend using SPRAYWAY SP295 T1 Dry Coating Lubricant - Page 9 CAT. NO. AC855.

Specifications

- **5-1/2" Maximum Width Capacity**
- **Ball Bearing Guides**
- **Dovetailed Bearing Block and Base**
- **Hardware and Instructions Included**
- **Designed for use with: W1812, W1739 and W1693**
- **Manufactured by Shop Fox**

NEW!



CAT. NO.
WH207

Feed Rollers for Williams and Hussey Machines

	CAT. NO.
Long Wear Feed Rollers	WH212G
Gear Oil for Older Models	WH224



COPE-EZE & STEFF POWER FEEDERS

COPE-EZE is a coping jig used to securely hold dimensioned lumber while machining the ends (e.g. cabinet door rails). The **Cope-eze** has three way adjustability that allows for a custom fit on any shaper. The guide bar can be adjusted for a precision fit in the miter slot. The second innovative adjustment feature is integral T-slots. The T-slots allow the **Cope-eze** to be adjusted close to the cutter no matter where the miter slot is located in relation to the cutter. The more securely you hold the wood – the better the cut. The valve and cylinder position can be arranged for comfortable operation whether moving the **Cope-eze** from left to right or from right to left through the cutter.

SPECIFICATIONS:

Dimensions: 8 1/2" x 11 1/2" x 3"

Slot size requirement: 3/8" x 3/4"

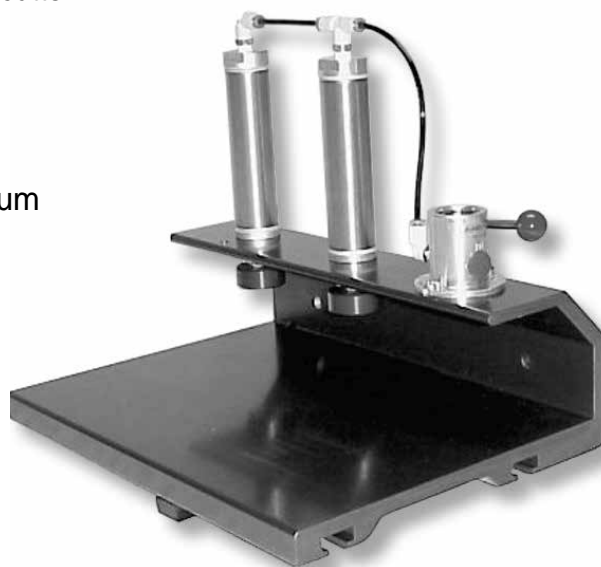
Pressure inlet: 1/8" FNPT

Air requirements: 80 psi minimum to 100 psi maximum

Net Weight: 9 lbs.

FEATURES:

- Made from one piece aluminum construction.
- Guide bar has a hardened finish for durability.
- Cope-eze can be adjusted to fit your shaper.
- Keeps hands away from the cutter.
- Easy to operate with valve located in convenient position.
- Most metal parts are aluminum or stainless steel.
- Quality pneumatic components for dependability.
- Left hand or right hand operation.
- 1 13/16" maximum material thickness.



CAT. NO. AC835

STEFF Power Feeders

The Steff Power Feeder is a productive addition to any size shop. A versatile machine that can be used on shapers, table saws, and planers to safely produce smooth, quality cuts. 3 and 4 roller machines in stock, single and 3 phase. Other models available. Extra machine base for ease of moving feeder from machine to machine.

CAT. NO. PF2100

Model 2034



CAT. NO.

PF1001

Model #2034
3/4 HP
Single Phase
230 Volts
3 Roller
4 Speeds
12-26-36-72 FPM

CAT. NO.

PF1003

Model #2034
1 HP
Three Phase
230 Volts
3 Roller
4 Speeds
12-26-36-72 FPM

Model 2044



CAT. NO.

PF2001

Model #2044
3/4 HP
Single Phase
230 Volts
4 Roller
4 Speeds
12-26-36-72 FPM

CAT. NO.

PF2003

Model #2044
1 HP
Three Phase
230 Volts
4 Roller
4 Speeds
12-26-36-72 FPM

Replacement hub and tire CAT. NO. PF3001

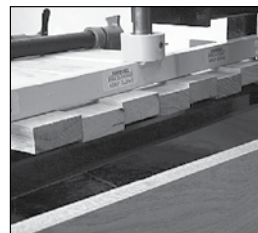
LARRY'S CLAMP, DRAWER & DOOR JIGS



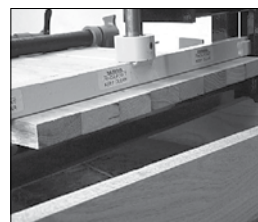
IF YOU MAKE **DRAWERS** AND **DOORS** YOU NEED THESE TOOLS **LARRY'S CLAMP**

When used in conjunction with bar clamps, Larry's Clamp is the fastest and easiest way to flatten boards when making glued up panels. Using two hands to hold and operate this air operated unit, fingers are safely out of the way when activating the clamp. Five hundred pounds of pressure ensures flat and even panels. Available in 18", 22" and 18" and 22" w/ extensions. * Longer lengths can be glued if last glue joint is captured between pressure bar and anvil.

- Extremely fast and easy to use.
- Pressure bar is "crowned" to ensure all boards of equal thickness are held tight.
- Has safety trigger and requires two hands to operate.
- Holds boards from shifting while tightening clamps.
- Cylinder has two moving parts, a piston and return spring.
- Air pressure required -100 psi.
- Will deliver years of useful service.



Before



After

MODELS	WEIGHT	CAT. NO.
18"	22 lbs	AC840
22"	28 lbs	AC842
22" *	30 lbs	AC842WE
36"	49 lbs	AC844

Scan this QR Code and
see Larry's Clamp
in action



* Accommodates material up to 4" thick. Standard models accommodate material up to 2" thick

THE DOOR JIG

Position cabinet door handles and pulls with accuracy and speed with this rugged fixture.

- Set one pin at top of door and two pins on edge
- Pins go through jig for both left and right hole location



- Hold in place and drill - "It's just that easy"
- Can be used on just about any size cabinet door
- Two hardened steel drill guides for standard sizes included

CAT. NO. AC861

THE DRAWER JIG Self-Centering Drawer Handle Mounting Jig.



CAT. NO. AC860

- Easily center your drawer handles with this easy to use device.
- Comes with both standard (3", 3-1/2" and 4" cc) and metric (64mm, and 96mm cc) drilling guides as well as extension paddles for drawer fronts under 10-1/2"
- Can be used with most standard drawer handle sizes.
- Maximum drawer size 14-1/2" high by 29-1/2" long. Min. 3-1/2" to 6-1/2"
- Hold in place and drill.

TO PLACE AN ORDER CALL: 1-800-SCHMIDT

For more information and technical assistance

(1-800-724-6438)

Call 1-201-391-5300

FAX: 1-201-391-3565

<http://www.cggschmidt.com>

Email - sales@cggschmidt.com

Shop online at cggschmidt.com/store



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and services to woodworking companies nationwide**

PROFIT THROUGH AMERICAN TECHNOLOGY



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