



800-288-7483

Ballew Saw & Tool

FAMILY OWNED AND OPERATED SINCE 1968

MINI CATALOG 55-A

**FREE
SHIPPING**
details page 4

Abrasive Fabricators

AGE Saw Blades

Amana Tool

Ballew Sharpening

Ballew Custom

Ground

Bosch

Byrd Tool

Castle

CMT Orange Tools

ComSurge Tooling

Diablo Blades

Denray

Door Store

Dynabrade

Fein

Festool

Forest City

Freeborn Tool

Freud

FS Tool

GDP Guhdo

Global

Graphite Paper & Felt

HSS Circular Saw

Blades

Imperial Blades

Jet

Kreg

Leitz

LRH Inserts

Magic Molder

Mirka Abrasives

Olson Band Saw

Blades

Onsrud

Original Saw

PEC

Popular Tools

Powermatic

SawStop

Senco

Serious Toolworks

Shop Fox

Space Balls

Southeast Tool

Sunight Abrasives

T-Tool

Techniks

Terminus Torsa

Titebond

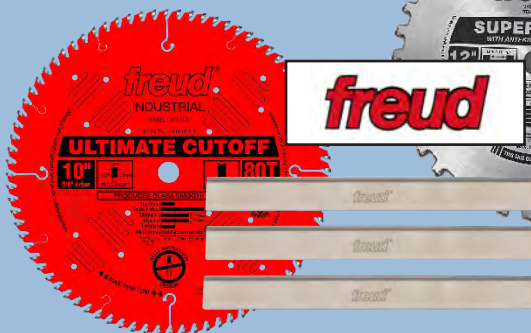
Velepec

Vortex

W L Fuller

Whiteside Machine

Woodstock



Saws & Dados

Shaper Cutters

Insert Tooling

Magic Molder

Carbide Tipped Bits

Cope & Pattern Sets

Custom Ground Knives

Drills & Boring Tools

Router Bits

Solid Carbide Tooling

Sanding Discs & Belts

Tongue & Groove Cutters

Journal & Planer Heads

HSS & CNC Tooling

Hand & Power Tools

Door Edge Detail Cutters

Woodworking Supplies

Lathe Machinery

Pocket Cutter Machines

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WAREHOUSE
BRANDS**

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ABOUT US

In 1946, Garvie and Edith Ballew set out in pursuit of their vision of the “American Dream,” opening a modest 20 x 60 foot storefront for tool sharpening and reconditioning under the name “Ballew Saw Works.” Together with Edith’s brother, Charles Wood, the family provided quality customer service with expert workmanship.

Jack and Steve Ballew joined the company, and in 1968 Ballew Saw Works became “Ballew Saw & Tool.” As the family expanded into tooling and machinery sales, business grew and Ballew Saw & Tool relocated to their current warehouse location. The popular mail-order catalog was created by Edith in 1975, and the first Ballew Saw & Tool website was launched in 2001 at ballewsaw.com.

Today, Ballew Saw & Tool remains a family-run business, upholding the founders’ commitment to providing exceptional support and superior tooling. Three generations of family and a team of valued employees work together to complete orders from around the world, including NASA, Bass Pro, Fetzner Architectural, Space-X, Sauder Woodworking, American Acrylics, the White House, and actor Harrison Ford. The company is excited to continue their path of excellence, paying tribute to the past and anticipating the future needs of their customers for the next 50 years and beyond.



A Message from Our Family

Over 50 years of industry experience has taught us the importance of quality tools in producing exceptional results. We only offer the highest quality tooling from trusted brands at competitive prices. Our knowledgeable staff is always ready to provide personalized service and expert advice to help you find the best tool for the job.

At Ballew Saw & Tool, we believe that building long-lasting relationships with our customers is just as important as providing quality tools, and we take pride in being a family-owned business. Whether you're a small business or a large-scale production company, we treat you like family.

Let us be your trusted partner in success for another 50 years and beyond!

- The Ballew Family

QUICK INDEX

ORDERING & CUSTOMER SERVICE INFORMATION.....	4
PRODUCT INDEX BY MANUFACTURER.....	5
ABRASIVE FABRICATORS.....	11
A.G.E. SAW BLADES BY AMANA TOOL.....	14
AMANA KNIVES & KNIFE SETS	20
BALLEW SAW & TOOL	21
BYRD TOOL.....	23
CASTLE	39
COMSURGE & FOREST CITY.....	43
DOOR STORE - CLEARANCE ITEMS	64
DYNABRADE	65
FEIN	67
FREEBORN TOOL	69
FREUD - DIABLO	140
GLOBAL	147
HSS STARK CIRCULAR SAW BLADES.....	152
LRH INSERTS	153
MAGIC MOLDER CUSTOM MOLDING TOOLING SYSTEM	156
MIRKA ABRASIVES	163
OLSON	172
POPULAR TOOLS	174
SERIOUS TOOLWORKS	200
SPACE BALLS EXPANSION JOINT SOLUTIONS	201
SUNMIGHT ABRASIVES.....	202
TERMINUS & TERSA KNIVES	204
WHITESIDE MACHINE COMPANY	205
MAIL ORDER FORMS	251
MEASUREMENT CONVERSIONS TABLE	255

When you shop Ballew Saw & Tool, you are supporting small business - Thank You!

INFORMATION

STORE HOURS

Our warehouse and offices are open Monday-Friday 8:30am-4:30pm CST. Order online 24/7 at ballewsaw.com.

We are closed on the Fourth of July, Thanksgiving Day, Christmas Day, and New Year's Day.

TERMS

We accept all major cards, wire transfers, electronic and paper checks (paper checks must allow time to clear) PayPal, Venmo, CashApp, crypto currency, and cash. Other payment arrangements including Open Accounts are available WITH PRIOR APPROVAL on an individual, business, or organizational basis, contact us for details. We provide quotes according to terms upon request.

SHIPPING

We ship globally via USPS, UPS, and FedEx. Local and nationwide truck lines and freight collect can be scheduled, contact us for details. We offer Free Shipping on orders totaling more than \$250.00 USD within the continental United States. (Glue, screws, hoses, sandpaper, very heavy or large items or Freight Items are NOT ELIGIBLE for Free Shipping Offer) Sharpening orders over \$250.00 USD are eligible for Free Shipping, excluding sharpening items sent in wooden containers.

DISCOUNTS & DEALS

We love to make a deal! And we love giving our customers great prices. Call 800-288-7483 and ask about unadvertised special offers.

DID YOU KNOW?... create an online account at ballewsaw.com for members-only discounts!

PRICING & AVAILABILITY

We make every effort to keep our inventory and website updated with current pricing and products. Due to changing market conditions, our policies, pricing, and product availability are subject to change without notice and are updated online as necessary. Items labeled as scale are approximate only due to print constraints.

Sometimes errors can occur in our printed materials or on our website. If you spot anything, please let us know by emailing sales@ballewsaw.com with attn: Shana (for print materials) or attn: Lance (website)

RETURNS

No returns accepted on custom items.

TO START A RETURN: Customers must contact us via phone or email with returns or exchanges to receive a pre-paid, insured, RA (Return Authorization) shipping label before sending anything back to us. Items must be packaged and sent in original packaging to prevent damage in transport.

Certain items are not eligible for returns or exchanges; contact us for details. Returned items are subject to a minimum 15% restocking fee. Custom items are NOT RETURNABLE. We reserve the right to deduct shipping costs from any returns or exchanges, or to refuse returns or exchanges if the item is used, damaged, or otherwise rendered unusable. The customer is responsible for the item(s) until they are received at Ballew Saw & Tool in the same condition they were sent.

SHORTAGES

All shipments must be checked for shortages or damages. You are responsible for checking your shipment when it arrives. Contact our offices within 15 days with shortage or damage claims. Please note: AFTER 15 DAYS we do not accept claims for shortages or damages.

OUR PROMISE

We want you, our customer, to be satisfied. We will always do our best to fulfill your order efficiently with comprehensive customer service and expert product support from our team.

When you shop Ballew Saw & Tool, you are supporting small business - Thank you!

PRODUCTS BY MANUFACTURER

ORDERING & CUSTOMER SERVICE INFORMATION.....	4
ABRASIVE FABRICATORS	11
ADHESIVE DISCS - CUT-TO-SIZE FELT - ABRASIVE & PORTABLE BELTS.....	11
SANDING BELTS - ABRASIVE & GRAPHITE ROLLS	12
A.G.E. SAW BLADES BY AMANA TOOL.....	14
RIPPING - GLUE LINE - COMBINATION - GENERAL PURPOSE - PLYWOOD/LAMINATE - CUT OFF & CROSSCUT	14
SCORING - MITER - HOLLOW GROUND - MELAMINE - SOLID SURFACE - PLASTICS - DEMOLITION	16
ALUMINUM & ALUMINUM SHUTTERS - TRACK SAW - STEEL & STAINLESS STEEL	18
AMANA KNIVES & KNIFE SETS	20
HSS HIGH SPEED STEEL & CARBIDE TIPPED KNIVES & KNIFE SETS.....	20
BALLEW SAW & TOOL	21
SHARPENING SERVICES	21
CUSTOM GROUND PROFILE KNIVES & CORRUGATED HEADS.....	22
BYRD TOOL.....	23
SHELIX JOURNAL HEADS - JOINTERS - PLANERS - BENCH TOP.....	23
SHELIX CARBIDE INSERT KN400 REPLACEMENT TIPS - 10-32 TORX+ SCREWS.....	25
SHELIX MOULDER & SHAPER SERIES.....	26
CORRUGATED KNIFE HEADS FOR SHAPERS.....	28
STRAIGHT BORE MOULDER HEADS	29
RAISED PANEL CUTTERS	30
RAISED PANEL CUTTERS FOR LARRICK MACHINE	31
STILE & RAIL CUTTERS - GLASS DOOR PATTERNS - SHAKER STYLE - EASED EDGES.....	32
DOOR EDGE CUTTERS.....	38
CASTLE	39
TSM-12 BENCH TOP & TSM-22 STANDARD DUTY POCKET CUTTER MACHINES	39
TSM-31 SINGLE PHASE 220V & TSM-35 3 PHASE 230V & 460V HEAVY DUTY POCKET CUTTER MACHINES	40
CSI 1.5D 3 PHASE SCREW INSERTION MACHINE	41
SQUARE DRIVER BIT - ROUTER BITS - BORING BITS - DRILL BITS.....	42
COMSURGE & FOREST CITY	43
DOWEL (203) (X204)-VP	43
DOWEL (X203).....	44
DOWEL (X203B) - COUNTERBORES (X121)	45
DOWEL (203CT)	46
SPUR MACHINE (200CT) - COUNTERSINKS (X121V).....	47
DOUBLE SPUR MACHINE (150) (107)	48
SPUR MACHINE (200).....	49
SPUR MACHINE (X200) - COUNTERSINKS (124)	50
DOWEL V-POINT (X203J)-VP - COUNTERBORES (X122)	51
COUNTERBORES (X123) (123CT)	52
COUNTERBORES (122CT) COUNTERSINKS (122VCT) (122V)	53
BRAD POINT (X122B) (X122B8) (122C)	54
V-POINT (X122D) CENTER (X122D8) (X12207) (X124B)	55
COUNTERSINKS (125) (125CT) (CS).....	56
MULTI-SPUR MACHINE (149).....	57
MULTI-SPUR MACHINE (149CT) - MULTI-SPUR COUNTERBORES (120)	58
BORING 3 SPURS (812CT)	59
MULTI-SPUR (738) (738CT) (838) (838CT) - 2 SPUR (811CT).....	60
FOREST CITY ROUTER BITS (X400S) (X402) (X402S).....	61
CHISELS (28) (1-28) (1-28D) (1-28J)	62

PRODUCTS BY MANUFACTURER

METRIC BRAD POINT V-POINT COUNTERSINKS	63
DOOR STORE - CLEARANCE ITEMS	64
JIGS & PATTERNS - SETS.....	64
DYNABRADE.....	65
DISC SANDING PADS - VACUUM & NON-VACUUM - HOOK & VINYL FACE - SHORT NAP	65
ABRASIVE BELT TOOL - DUST COLLECTION SYSTEM - TRIM ROUTER - SANDERS - NITROZIP TOOL	66
FEIN	67
FILTER BAGS - METAL & CARBIDE BLADES - COMBO PACKS - SANDPAPER & CARBIDE ACCESSORIES.....	67
SANDING PADS - SCRAPER BLADES - MULTIMASTER SETS - WET/DRY VACS	68
FREEBORN TOOL.....	69
INSERT TOOLING	69
COPE & PATTERN SETS.....	69
RAISED PANEL CUTTERS	74
BACK & TONGUE TRIM CUTTERS	75
DOOR EDGE DETAIL CUTTERS	76
REVERSIBLE GLUE JOINT - FLOORING SET CUTTERS.....	78
CUTTER BODIES - EXPANDABLE SPLIT GROOVER ADJUSTABLE INSERT SET	79
INSERT REPLACEMENT TIPS CHART	80
BRAZED TOOLING	83
COPE & PATTERN 6 PIECE CUTTER SETS.....	83
DOUBLE SIDED COPE & PATTERN 6 PIECE CUTTER SETS	85
CENTER GROOVER SETS 3/8" DEPTH OF PATTERN	86
EASED EDGE GLASS PANEL & RUBBER EXTRUSION OPTIONS.....	87
COPE & PATTERN 6 PIECE CUTTER SETS 1/2" DEPTH OF PATTERN	89
CENTER GROOVER SETS 1/2" DEPTH OF PATTERN	90
DOUBLE SIDED COPE & PATTERN 8 PIECE CUTTER SETS	91
DOUBLE SIDED GROOVER SETS - GLASS PANEL OPTIONS.....	94
GLASS PANEL 4 PIECE CUTTER SETS	95
RAISED PANEL SHAPER CUTTERS.....	98
RAISED PANEL BACK CUTTERS - TONGUE TRIMMER	102
PRO LINE RAISED PANEL SHAPER CUTTERS.....	103
DOOR EDGE DETAIL SHAPER CUTTERS	105
DOOR EDGE DETAIL BEVEL CUTTERS	106
32MM HINGE DOOR EDGE DETAIL CUTTERS	107
BEAD & HANDRAIL CUTTERS.....	109
WINDOW SILL CUTTERS - REVERSIBLE GLUE JOINT.....	110
WEDGE TONGUE & GROOVE - EDGE BANDING - V-GROOVE DETAIL CUTTERS	111
V-PANELING 6 PIECE SHAPER CUTTER SET	112
FLOORING SETS.....	113
PRO V-PANEL 5 PIECE SET - QUARTER COVE CONVEX CUTTERS - REVERSIBLE PATTERN DETAIL	115
STRAIGHT TOP GROOVERS.....	116
HALF ROUND CONVEX FLUTE & HALF ROUND CONCAVE BULLNOSE CUTTERS - TABLE SAW FLUTE CUTTERS.....	117
MATCHED DROP LEAF - WINDOW SASH CUTTER SETS.....	118
DOUBLE TONGUE & GROOVE 1 PIECE LOCK MITRE.....	119
DOUBLE/SINGLE TONGUE & GROOVE 2 & 3 PIECE LOCK MITRE.....	120
LOCK MITRE SET UP INSTRUCTIONS	121
DRAWER LOCK CUTTER	121
EXPANDABLE DOUBLE EASING CUTTERS.....	122
CORNER ROUNDING SHAPER CUTTERS - EXTENDED CORNER ROUNDS	123

PRODUCTS BY MANUFACTURER

CORNER ROUNDING & COVE COMBO CUTTERS	124
TABLE SAW BEAD CUTTERS - BALL BEARING RUB COLLARS - RUB SPACERS.....	125
T-BUSHINGS.....	126
SPACERS - METAL & PLASTIC SHIMS	127
CUSTOM ORDER FREEBORN TOOLING.....	128
SHAPER SPINDLE ALIGNMENT INSTRUCTIONS	129
FREEBORN DIAGRAMS	130
P-10-030-EE - P-10-040	130
F10010L - P-11-050	131
P-11-065 - P-11-085.....	132
P-11-040-GP - P-11-050-GP	133
P-14-018 - P-19-055.....	134
P-19-070 - P-19-075.....	135
P-19-090 - P-27-011.....	136
P-27-021 - P-32-006.....	137
MT T-ALLOY SHAPER CUTTERS 3/4" BORE - LIMITED STOCK.....	138
FREUD - DIABLO	140
HSS HIGH SPEED STEEL PLANER & JOINTER KNIVES	140
DADO SETS - BOX CUTTER SETS.....	141
FREUD SAW BLADES	142
RIPPING - ALUMINUM - GENERAL PURPOSE/COMBINATION	142
CROSSCUTTING - PLYWOOD - LAMINATE & MELAMINE - SPECIALTY	143
PANEL SIZING	144
DIABLO SAW BLADES.....	145
WOOD & WOOD COMPOSITES	145
NON-FERROUS - FERROUS - HARDIPLANK/HARDIEBLADE/HARDIETRIM	146
GLOBAL	147
PLANER & JOINTER KNIFE SETS	147
ELECTRIC HANDHELD KNIFE SETS	149
TITAN LUX CUT III SPIRAL PLANER & JOINTER HEADS	150
SPIRAL INSERT KNIFE SURFACING HEADS - SPARE KNIVES & SCREWS - TORQUE WRENCH	151
HSS STARK CIRCULAR SAW BLADES	152
LRH INSERTS	153
CABINET DOOR.....	153
RAISED PANEL - BACK CUTTER.....	154
DOOR EDGE - COPE & PATTERN - FLOORING	155
MAGIC MOLDER CUSTOM MOLDING TOOLING SYSTEM.....	156
TABLE SAW HEADS - SHAPER HEADS - FENCE.....	156
PLUG PROFILES P-1 THRU P-11	157
PLUG PROFILES P-12 THRU P-25	158
PLUG PROFILES P-26 THRU P-38	159
PLUG PROFILES P-39 THRU P-54	160
PLUG PROFILES P-55 THRU P-70	161
PLUG PROFILES P-71 THRU P-80	162
MIRKA ABRASIVES.....	163
5" DISCS	163
6" DISCS	165
8" DISCS - BACKUP PADS - ABRASIVE SPONGES	167

PRODUCTS BY MANUFACTURER

ABRASIVE & SCUFF PADS - FINISHING SHEETS.....	168
FILE SHEETS - SANDING & DRUM ROLLS.....	169
ABRALON - ABRANET.....	170
OLSON.....	172
BAND SAW BLADES.....	172
POPULAR TOOLS.....	174
PANEL 15 DEG HOOK ANGLE.....	174
NPS SERIES PANEL - SPLIT SCORING.....	176
CONIC SCORING - NAIL BITING.....	177
EDGE BANDERS - COMBINATION.....	178
OPTIMIZING DIMTER/PAUL/ULTIMIZER.....	179
GENERAL PURPOSE ALTERNATE TOP.....	180
GENERAL PURPOSE TRIPLE CHIP - STEEL CUTTING.....	182
TRIM & PRECISION TRIM - PROFESSIONAL SERIES.....	184
RIP & GANG FTG/TCG.....	185
RIP & GANG ATB - GLUE JOINT RIP - MULTI-SCORE SPLIT.....	186
THIN & ULTRA THIN - THIN RIM - DOOR JAMB.....	187
MITRE & DOUBLE MITRE - SOLID SURFACE.....	188
CHOP & RADIAL ARM - THIN MOULDING - BLIND CUTTING.....	189
MELAMINE - TREE TRIMMING - GROOVERS.....	190
DADO SETS - ADDITIONAL CHIPPERS FOR DADO SETS - DADO OUTER BLADES.....	191
PLASTICS CUTTING - DOUBLE CUT-OFF - HARDIPLANK - STABILIZERS.....	192
LUCAS - STROB FTG.....	193
TRUSS & COMPONENT.....	194
FINGER JOINT CUTTERS & BLADES.....	195
NON-FERROUS CUTTING.....	196
22" - 30" SAWS.....	199
SERIOUS TOOLWORKS.....	200
SL2542 WOOD LATHE MACHINE - ON SALE.....	200
SPACE BALLS EXPANSION JOINT SOLUTIONS.....	201
SUNMIGHT ABRASIVES.....	202
5" DISCS NO/5/8 HOLE - GOLD PSA & VELCRO GRIP - FULL RELEASE BACKER.....	202
5" & 6" NO/6 HOLE DISCS - FILM & GOLD PSA - VELCRO GRIP.....	203
TERMINUS & TERSA KNIVES.....	204
WHITESIDE MACHINE COMPANY.....	205
SOLID CARBIDE SPIRALS.....	205
UP CUT - DOWN CUT - UP/DOWN COMPRESSION - SINGLE/2/3 FLUTE - HERCULES MAX LIFE.....	205
SLOW - CHIPBREAKER - LEFT HAND - ROUGHING HOGGERS - COVE/BALL NOSE - CONICAL BALL NOSE.....	206
FLUSH TRIM - METRIC UP/DOWN CUT IMPERIAL/METRIC SHANK - PLASTICS & ALUMINUM O-FLUTE.....	207
SOLID CARBIDE.....	208
O-FLUTE STRAIGHT PLASTICS ROUTING - TRIM - FLAT & ROUND BOTTOM VEINING - LINER.....	208
ENGRAVING - FIBERGLASS - SCREW SLOT - STRAIGHT SINGLE/DOUBLE FLUTE.....	209
CARBIDE TIP STRAIGHTS.....	210
1/4" SHANK - 3/8" SHANK - 1/2" SHANK STRAIGHTS.....	210
CNC ROUTER - LEFT HAND 2 FLUTE - CABINET DADO - TEMPLATE BALL BEARING GUIDE.....	211
STAGGERTOOTH - MORTISE & EURO STEP MORTISE - HELIX MORTISE CUTTERS & ARBORS.....	212
FORM TOOLS.....	213
BOWL & TRAY - ROUND NOSE - HALF ROUND - OVAL EDGE BULL NOSE - PLUNGE CUT HAND GRIP.....	213

PRODUCTS BY MANUFACTURER

V GROOVE - POINT CUTTING ROUNDOVER - PANEL - STAGGERTOOTH - COVE	214
RABBET - SLOTTING & RABBETING - MULTI RABBET SET - BISCUIT JOINING KIT	215
ROUNDOVER & BEADING - SMALL PILOT ROUNDOVER - MULTI-BEADING SETS - PLUNGE POINT ROUNDOVER...	216
ADJUSTABLE LENGTH DOUBLE ROUNDOVER - ROMAN OGEE - CHAMFER BEVEL 45° - EDGE BEVEL.....	217
FLUSH TRIM BITS	218
TWO & THREE FLUTE - V-GROOVE - OVERHANG - DOWNSHEAR - COMBINATION	218
LAMINATE TRIM BITS	219
BALL BEARING - COMBINATION FLUSH/BEVEL - LAMINATE ROUNDOVER - SQUARE BEARING	219
SOLID SURFACE BITS.....	220
ROUNDOVER - ROUNDING UNDER - BOWL & SINK PROFILES - BEVEL UNDERMOUNT - OVERHANG TRIM.....	220
PROFILE BITS.....	221
TEMPLATE BALL BEARING GUIDE & OVERSIZED BEARINGS - KEYHOLE - T-SLOT CUTTER - SLOT & UNDERCUT	221
CLASSICAL COVE - WAVY EDGE - RADIUS FLUTE CUTTER - FULL BEAD - MULTI-BEADING - DOUBLE ROUND	222
COVE & BEAD - OGEE - OGEE FILLET - EDGE BEADING - CLASSICAL PATTERN - FRENCH TRADITIONAL	223
FRENCH PROVINCIAL - TABLE EDGE PROFILE	224
HANDRAIL - SPECIALTY MOLDING - CLASSIC MULTI-FORMS	225
GLUE JOINTS	226
LOCKING DRAWER - STANDARD - WEDGE & STRAIGHT TONGUE & GROOVE - 45° LOCK MITER	226
VEE PANEL TONGUE & GROOVE - FINGER JOINT - MULTI-SIDE - CANOE MAKING - EDGE BANDING.....	227
GROOVE PROFILES.....	228
PLUNGE OGEE - CLASSICAL ROUND & FLAT BOTTOM	228
CABINET - DOOR - DRAWER - WINDOW.....	229
MDF & TRADITIONAL - STILE & RAIL - SHAKER - RAISED PANEL	229
TRADITIONAL CABINET DOOR - SMALL/BACK CUTTER & SHAKER RAISED PANEL - SHAKER STYLE & RAIL	230
FULL SIZE STILE & RAIL - PLYWOOD PANEL STYLE & RAIL CONVERSION KITS	231
EDGE & PULL - SILL & SASH - SLOTTING CUTTERS & ARBORS	233
WINDOW SASH - SLOTTING CUTTERS & ARBORS - DRAWER SLOT CUTTERS & ARBORS.....	234
DOVETAIL - KELLER DOVETAIL - STRAIGHTS FOR DOVETAIL JIGS.....	235
CNC SPOILBOARD SURFACING - ROUTER COLLETS - INDEXABLE CARBIDE INSERTS.....	236
ACCESSORIES	237
INLAY KIT - BASE PLATE REDUCERS - TEMPLATE GUIDE BUSHINGS - CORNER CHISEL	237
EXTENSION ADAPTER - SET-UP GAUGE BLOCKS - ARBORS - FLAT & SHIM WASHERS.....	237
ROUTER BIT SETS	239
401/402 BASIC 7 PC - 501/502 ROUNDOVER & BEADING - 600 STRAIGHT & HALF ROUND COMBO.....	239
401 COMPACT ROUTER BIT SETS - 470 PLYWOOD DADO SETS - 410 TEN ESSENTIAL ROUTER BIT SETS.....	240
CNC ROUTER BIT SETS - SQUARE & RECTANGLE INDEXABLE KNIFE INSERTS.....	241
DRILLING & BORING	242
METRIC BRAD POINTS 10MM SHANK - METRIC HINGE BORING BITS	242
INCH & METRIC THRU HOLE V-POINT - FACE FRAME COUNTERBORES	243
COUNTERSINKS & SETS - VIX - DRILLS FOR COUNTERSINKS - REPLACEMENT DRILLS	244
3-WING WOOD DRILLS - 3 WING QUICK CHANGE COMPOSITE DRILLS	245
COMPOSITE WITH PILOT DRILLS - QUICK CHANGE TOOLING CHUCKS - SPARE PARTS.....	246
SELF CLEAN CARBIDE TIPPED HOLE SAWS - 800K QUICK CHANGE SHANK KIT	247
DEEP-COR CARBIDE TIPPED HOLE SAWS - QUICK CHANGE VARIOUS LENGTHS SHANKS & KIT	248
5" & 8" QUICK CHANGE TRANSOM DRILLS - BRAD POINT QUICK CHANGE TRANSOM DRILLS.....	249
DOOR-LITE BITS	250
METAL CLAD DOORS - FIBERGLASS & WOOD DOORS.....	250
MAIL ORDER FORMS	251
MEASUREMENT CONVERSIONS TABLE	255

9" ADHESIVE BACKED DISCS				
PART	GRIT	ITEM	QUAN	PRICE
AD936	36	PSA 9"	1 each	\$5.95
AD960	60	PSA 9"	1 each	\$4.73
AD980	80	PSA 9"	1 each	\$4.38
AD9100	100	PSA 9"	1 each	\$4.20
AD9120	120	PSA 9"	1 each	\$4.20

10" ADHESIVE BACKED DISCS				
PART	GRIT	ITEM	QUAN	PRICE
AD1036	36	PSA 10"	1 each	\$6.65
AD1060	60	PSA 10"	1 each	\$6.21
AD1080	80	PSA 10"	1 each	\$5.95
AD10100	100	PSA 10"	1 each	\$5.69
AD10120	120	PSA 10"	1 each	\$5.69

12" ADHESIVE BACKED DISCS				
PART	GRIT	ITEM	QUAN	PRICE
AD1236	36	PSA 12"	1 each	\$8.23
AD1260	60	PSA 12"	1 each	\$7.88
AD1280	80	PSA 12"	1 each	\$7.44
AD12100	100	PSA 12"	1 each	\$7.17
AD12120	120	PSA 12"	1 each	\$7.17

- SINGLE BELTS
- CUSTOM SIZE SANDING BELTS
- MULTI-GRIT SANDING BELT PACKS
- CUSTOM SIZE CUT FELT

sales@ballewsaw.com 800-288-7483

2-1/4" X 14" MULTI PURPOSE ABRASIVE BELTS				
PART	GRIT	ITEM	QUAN	PRICE
B501	60	2-1/4" x 14"	5 per box	\$12.95
B502	80	2-1/4" x 14"	5 per box	\$12.95
B503	100	2-1/4" x 14"	5 per box	\$12.95
B504	120	2-1/4" x 14"	5 per box	\$12.95
B505	150	2-1/4" x 14"	5 per box	\$12.95
B506	180	2-1/4" x 14"	5 per box	\$12.95

PORTABLE BELTS ("X" WEIGHT)				
PART	GRIT	ITEM	QUAN	PRICE
3 x 21 x 36	36	3" x 21"	10 per box	\$22.75
3 x 21 x 60	60	3" x 21"	10 per box	\$19.25
3 x 21 x 80	80	3" x 21"	10 per box	\$17.15
3 x 21 x 100	100	3" x 21"	10 per box	\$16.80
3 x 21 x 120	120	3" x 21"	10 per box	\$16.80
3 x 21 x 150	150	3" x 21"	10 per box	\$16.80
3 x 24 x 36	36	3" x 24"	10 per box	\$26.25
3 x 24 x 60	60	3" x 24"	10 per box	\$21.88
3 x 24 x 80	80	3" x 24"	10 per box	\$19.43
3 x 24 x 100	100	3" x 24"	10 per box	\$18.90
3 x 24 x 120	120	3" x 24"	10 per box	\$18.90
3 x 24 x 150	150	3" x 24"	10 per box	\$18.90
4 x 24 x 36	36	4" x 24"	10 per box	\$35.88
4 x 24 x 60	60	4" x 24"	10 per box	\$29.75
4 x 24 x 80	80	4" x 24"	10 per box	\$26.25
4 x 24 x 100	100	4" x 24"	10 per box	\$25.38
4 x 24 x 120	120	4" x 24"	10 per box	\$25.38
4 x 24 x 150	150	4" x 24"	10 per box	\$25.38

44" LENGTH CUT-TO-SIZE FELT FOR WIDE BELT SANDERS & SANDING MACHINES CUSTOM ORDER SIZES AVAILABLE			
PART	ITEM	QUAN	PRICE
F44	3/8" THICK x 1-3/4" WIDE x 44" LONG	1 each	\$72.50

ABRASIVE FABRICATORS

SANDING BELTS

6" X 48" SANDING BELTS				
PART	GRIT	ITEM	QUAN	PRICE
AB64860	60	6" x 48"	1 each	\$8.14
AB64880	80	6" x 48"	1 each	\$7.70
AB648100	100	6" x 48"	1 each	\$7.17
AB648120	120	6" x 48"	1 each	\$7.17
AB648150	150	6" x 48"	1 each	\$7.17

6" X 80" SANDING BELTS				
PART	GRIT	ITEM	QUAN	PRICE
AB68060	60	6" x 80"	1 each	\$14.02
AB68080	80	6" x 80"	1 each	\$13.21
AB680100	100	6" x 80"	1 each	\$12.43
AB680120	120	6" x 80"	1 each	\$12.43
AB680150	150	6" x 80"	1 each	\$12.43

6" X 89" SANDING BELTS				
PART	GRIT	ITEM	QUAN	PRICE
AB68960	60	6" x 89"	1 each	\$15.80
AB68980	80	6" x 89"	1 each	\$14.84
AB689100	100	6" x 89"	1 each	\$13.91
AB689120	120	6" x 89"	1 each	\$13.91
AB689150	150	6" x 89"	1 each	\$13.91

6" X 108" SANDING BELTS				
PART	GRIT	ITEM	QUAN	PRICE
AB610860	60	6" x 108"	1 each	\$16.98
AB610880	80	6" x 108"	1 each	\$15.93
AB6108100	100	6" x 108"	1 each	\$14.79
AB6108120	120	6" x 108"	1 each	\$14.79
AB6108150	150	6" x 108"	1 each	\$14.79

6" X 132" SANDING BELTS				
PART	GRIT	ITEM	QUAN	PRICE
ABB13260	60	6" x 132"	1 each	\$19.64
ABB13280	80	6" x 132"	1 each	\$18.46
ABB132100	100	6" x 132"	1 each	\$17.41
ABB132120	120	6" x 132"	1 each	\$17.41
ABB132150	150	6" x 132"	1 each	\$17.41

25" X 60" SANDING BELTS				
PART	GRIT	ITEM	QUAN	PRICE
AB256036	36	25" x 60"	3 per box	\$128.52
AB256060	60	25" x 60"	3 per box	\$118.02
AB256080	80	25" x 60"	3 per box	\$110.15
AB2560100	100	25" x 60"	3 per box	\$170.45
AB2560120	120	25" x 60"	3 per box	\$170.45
AB25603150	150	25" x 60"	3 per box	\$170.45
AB2560180	180	25" x 60"	3 per box	\$170.45
AB2560220	220	25" x 60"	3 per box	\$170.45

37" X 60" SANDING BELTS				
PART	GRIT	ITEM	QUAN	PRICE
AB376036	36	37" x 60"	3 per box	\$202.86
AB376060	60	37" x 60"	3 per box	\$179.29
AB376080	80	37" x 60"	3 per box	\$168.53
AB3760100	100	37" x 60"	3 per box	\$272.48
AB3760120	120	37" x 60"	3 per box	\$272.48
AB37603150	150	37" x 60"	3 per box	\$272.48
AB3760180	180	37" x 60"	3 per box	\$272.48
AB3760220	220	37" x 60"	3 per box	\$272.48

43" X 60" SANDING BELTS				
PART	GRIT	ITEM	QUAN	PRICE
AB436036	36	43" x 60"	3 per box	\$234.83
AB436060	60	43" x 60"	3 per box	\$207.27
AB436080	80	43" x 60"	3 per box	\$194.88
AB4360100	100	43" x 60"	3 per box	\$305.20
AB4360120	120	43" x 60"	3 per box	\$305.20
AB43603150	150	43" x 60"	3 per box	\$305.20
AB4360180	180	43" x 60"	3 per box	\$305.20
AB3775220	220	43" x 60"	3 per box	\$305.20

- SINGLE BELTS
- CUSTOM SIZE SANDING BELTS
- MULTI-GRIT SANDING BELT PACKS
- CUSTOM SIZE CUT FELT

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BELTS - ABRASIVE & GRAPHITE ROLLS ABRASIVE FABRICATORS

37" X 75" SANDING BELTS				
PART	GRIT	ITEM	QUAN	PRICE
AB377536	36	37" x 75"	3 per box	\$218.14
AB377560	60	37" x 75"	3 per box	\$192.73
AB377580	80	37" x 75"	3 per box	\$181.91
AB3775100	100	37" x 75"	3 per box	\$291.55
AB3775120	120	37" x 75"	3 per box	\$291.55
AB37753150	150	37" x 75"	3 per box	\$291.55
AB3775180	180	37" x 75"	3 per box	\$291.55
AB3775220	220	37" x 75"	3 per box	\$291.55

43" X 75" SANDING BELTS				
PART	GRIT	ITEM	QUAN	PRICE
AB437536	36	43" x 75"	3 per box	\$261.35
AB437560	60	43" x 75"	3 per box	\$247.01
AB437580	80	43" x 75"	3 per box	\$232.21
AB4375100	100	43" x 75"	3 per box	\$363.83
AB4375120	120	43" x 75"	3 per box	\$363.83
AB43753150	150	43" x 75"	3 per box	\$363.83
AB4375180	180	43" x 75"	3 per box	\$363.83
AB3775220	220	43" x 75"	3 per box	\$363.83

52" X 75" SANDING BELTS				
PART	GRIT	ITEM	QUAN	PRICE
AB527536	36	52" x 75"	3 per box	\$333.64
AB527560	60	52" x 75"	3 per box	\$274.84
AB527580	80	52" x 75"	3 per box	\$255.52
AB5275100	100	52" x 75"	3 per box	\$400.31
AB5275120	120	52" x 75"	3 per box	\$400.31
AB52753150	150	52" x 75"	3 per box	\$400.31
AB5275180	180	52" x 75"	3 per box	\$400.31
AB3775220	220	52" x 75"	3 per box	\$400.31

PEC HEAVY DUTY GRAPHITE COATED CANVAS PRE-CUT ROLLS			
PART	ITEM	QUAN	PRICE
HD4-6	4" WIDE x 6' LONG	1 each	\$36.76
HD4-12	4" WIDE x 12' LONG	1 each	\$68.52
HD6-6	6" WIDE x 6' LONG	1 each	\$47.40
HD6-12	6" WIDE x 12' LONG	1 each	\$89.80
HD8-6	8" WIDE x 6' LONG	1 each	\$57.96
HD8-12	8" WIDE x 12' LONG	1 each	\$110.92

2" DELTA DRUM SANDER 50 YD ABRASIVE ROLLS				
PART	GRIT	ITEM	QUAN	PRICE
ASR250-36	36	2" x 50 YD	1 each	\$105.46
ASR250-60	60	2" x 50 YD	1 each	\$93.18
ASR250-80	80	2" x 50 YD	1 each	\$87.58
ASR250-100	100	2" x 50 YD	1 each	\$82.32
ASR250-120	120	2" x 50 YD	1 each	\$82.32
ASR250-150	150	2" x 50 YD	1 each	\$82.32
ASR250-220	220	2" x 50 YD	1 each	\$82.32

3" PERFORMAX DRUM SANDER 50 YD ABRASIVE ROLLS				
PART	GRIT	ITEM	QUAN	PRICE
ASR350-36	36	3" x 50 YD	1 each	\$153.50
ASR350-60	60	3" x 50 YD	1 each	\$144.30
ASR350-80	80	3" x 50 YD	1 each	\$135.60
ASR350-100	100	3" x 50 YD	1 each	\$127.50
ASR350-120	120	3" x 50 YD	1 each	\$127.50
ASR350-150	150	3" x 50 YD	1 each	\$127.50
ASR350-180	180	3" x 50 YD	1 each	\$127.50
ASR350-220	220	3" x 50 YD	1 each	\$127.50

4" ABRASIVE ROLLS 25 YD CLOTH BACKED				
PART	GRIT	ITEM	QUAN	PRICE
ASR425-36	36	4" x 25 YD	1 each	\$122.30
ASR425-60	60	4" x 25 YD	1 each	\$107.90
ASR425-80	80	4" x 25 YD	1 each	\$101.40
ASR425-100	100	4" x 25 YD	1 each	\$95.32
ASR425-120	120	4" x 25 YD	1 each	\$95.32
ASR425-150	150	4" x 25 YD	1 each	\$95.32
ASR425-180	180	4" x 25 YD	1 each	\$95.32
ASR425-220	220	4" x 25 YD	1 each	\$95.32

6" ABRASIVE ROLLS 25 YD CLOTH BACKED				
PART	GRIT	ITEM	QUAN	PRICE
ASR625-36	36	6" x 25 YD	1 each	\$173.30
ASR625-60	60	6" x 25 YD	1 each	\$162.90
ASR625-80	80	6" x 25 YD	1 each	\$153.14
ASR625-100	100	6" x 25 YD	1 each	\$143.96
ASR625-120	120	6" x 25 YD	1 each	\$143.96
ASR625-150	150	6" x 25 YD	1 each	\$143.96
ASR625-180	180	6" x 25 YD	1 each	\$143.96
ASR625-220	220	6" x 25 YD	1 each	\$143.96

RIPPING - HEAVY DUTY							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD10-240	10"	24	3.2mm .126	2.2mm .087"	20°	5/8"	\$49.35
MD10-240-30	10"	24	3.2mm .126	2.2mm .087"	20°	30mm	\$50.21
MD12-280	12"	28	3.2mm .126	2.2mm .087"	20°	1"	\$63.04
MD12-280-30	12"	28	3.2mm .126	2.2mm .087"	20°	30mm	\$63.04
MD14-360	14"	36	3.5mm .138"	2.5mm .098"	20°	1"	\$75.56
MD14-360-30	14"	36	3.5mm .138"	2.5mm .098"	20°	30mm	\$75.56
MD16-480	16"	48	3.5mm .138"	2.5mm .098"	15°	1"	\$116.63
MD18-540	18"	54	4.0mm .057"	2.8mm .110"	12°	1"	\$179.40
MD24-480	24"	48	4.4mm .173"	3.2mm .126"	20°	1"	\$367.99

RIPPING - THIN KERF							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD8-220TB	8"	22	2.2mm .087"	1.6mm .063"	20°	5/8"	\$43.05
MD10-240TB	10"	24	2.4mm .094"	1.8mm .071"	20°	5/8"	\$49.35

GLUE LINE RIPPING							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD10-301	10"	30	3.7mm .145"	2.5mm .098"	12°	5/8"	\$71.74
MD12-361	12"	36	4.0mm .160"	2.8mm .110"	22°	1"	\$130.99

COMBINATION							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD8-404	8"	40	3.2mm .126"	2.2mm .087"	15°	5/8"	\$64.58
MD10-500	10"	50	3.2mm .126"	2.2mm .087"	15°	5/8"	\$67.20
MD10-500R	10"	50	3.2mm .126"	2.2mm .087"	15°	5/8"	\$72.08
MD12-604	12"	60	3.8mm .150"	2.8mm .110"	15°	1"	\$113.06
MD12-604-30	12"	60	3.8mm .150"	2.8mm .110"	15°	30mm	\$113.06
MD14-704	14"	70	3.8mm .150"	2.8mm .110"	15°	1"	\$119.33
MD14-704-30	14"	70	3.8mm .150"	2.8mm .110"	15°	30mm	\$119.33

THIN KERF COMBINATION							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD8-404TB	8"-8-1/4"	40	2.4mm .094"	1.6mm .063"	15°	5/8"	\$47.55
MD10-504TB	10"	50	2.5mm .098"	1.8mm .071"	15°	5/8"	\$62.81

GENERAL PURPOSE							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD10-400	10"	40	3.2mm .126"	2.2mm .087"	15°	5/8"	\$57.26
MD10-400TB	10"	40	2.6mm .102"	1.8mm .071"	18°	5/8"	\$61.01
MD10-400-30	10"	40	3.2mm .126"	2.2mm .087"	15°	30mm	\$57.26
MD12-400	12"	40	3.2mm .126"	2.2mm .087"	15°	1"	\$66.23
MD12-400-30	12"	40	3.2mm .126"	2.2mm .087"	15°	30mm	\$66.23
MD12-480	12"	48	3.2mm .126"	2.2mm .087"	15°	1"	\$66.23
MD12-480-30	12"	48	3.2mm .126"	2.2mm .087"	15°	30mm	\$66.23
MD14-400-30	14"	40	3.3mm .130"	2.5mm .098"	15°	30mm	\$86.10
MD14-540	14"	54	3.5mm .138"	2.5mm .098"	15°	1"	\$98.70
MD14-600	14"	60	3.9mm .155"	2.8mm .110"	15°	1"	\$98.70
MD16-600	16"	60	3.5mm .138"	2.5mm .098"	15°	1"	\$116.63

PLYWOOD/LAMINATE							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD8-601	8"	60	3.0mm .118"	2.0mm .078"	10°	5/8"	\$69.08
MD220-T641	220mm	64	3.2mm .126"	2.2mm .087"	10°	30mm	\$83.06
MD10-401	10"	40	3.2mm .126"	2.2mm .087"	12°	5/8"	\$67.88
MD10-601	10"	60	3.2mm .126"	2.2mm .087"	12°	5/8"	\$68.59
MD10-601R	10"	60	3.2mm .126"	2.2mm .087"	12°	5/8"	\$73.39
MD10-601-30	10"	60	3.2mm .126"	2.2mm .087"	12°	30mm	\$68.59
MD10-801	10"	80	3.2mm .126"	2.2mm .087"	10°	5/8"	\$86.89
MD10-801-30	10"	80	3.2mm .126"	2.2mm .087"	10°	30mm	\$86.89
MD250-801-30	250mm	80	3.2mm .126"	2.2mm .087"	10°	30mm	\$86.89
MD12-601	12"	60	3.2mm .126"	2.2mm .087"	10°	1"	\$98.70
MD12-721	12"	72	3.2mm .126"	2.2mm .087"	12°	1"	\$87.00
MD12-721-30	300mm	72	3.2mm .126"	2.2mm .087"	10°	30mm	\$87.00
MD12-961	12"	96	3.5mm .138"	2.5mm .098"	10°	1"	\$107.63
MD12-961-30	300mm	96	3.5mm .138"	2.5mm .098"	10°	30mm	\$107.63
MD14-801	14"	80	3.8mm .150"	2.8mm .110"	10°	1"	\$134.59
MD16-121	16"	120	3.5mm .138"	2.5mm .100"	10°	1"	\$166.88
MD20-121	20"	120	4.4mm .173"	2.8mm .110"	10°	1"	\$281.93

CUT-OFF AND CROSSCUT							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD160-480	160mm	48	2.2mm .087"	1.6mm .063"	5°	20mm	\$44.85
MD7-400	7-1/4"	40	3.1mm .122"	1.7mm .070"	12°	5/8"	\$60.38
MD8-600	8"	60	2.9mm .118"	1.9mm .078"	10°	5/8"	\$62.81
MD10-600	10"	60	3.2mm .126"	2.2mm .087"	12°	5/8"	\$66.34
MD10-600R	10"	60	3.2mm .126"	2.2mm .087"	12°	5/8"	\$71.21
MD10-600-30	10"	60	3.2mm .126"	2.2mm .087"	12°	30mm	\$66.34
MD10-606	10"	60	2.3mm .090"	1.8mm .071"	0°	5/8"	\$68.18
MD10-616TB	10"	80	2.5mm .098"	1.8mm .071"	15°	5/8"	\$68.18
MD10-800	10"	80	3.2mm .126"	2.2mm .087"	10°	5/8"	\$81.64
MD10-800R	10"	80	2.9mm .116"	2.5mm .098"	10°	5/8"	\$90.41
MD10-800-30	10"	80	3.2mm .126"	2.2mm .087"	10°	30mm	\$81.64
MD10-816TB	10"	80	2.3mm .090"	1.8mm .071"	0°	5/8"	\$81.64
MD12-600	12"	60	3.2mm .126"	2.2mm .087"	12°	1"	\$80.03
MD12-606	12"	60	2.8mm .110"	2.2mm .086"	0°	1"	\$73.58
MD12-720	12"	72	3.2mm .126"	2.2mm .086"	10°	1"	\$87.90
MD12-800	12"	80	3.4mm .135"	2.5mm .100"	10°	1"	\$98.70
MD12-806	12"	80	2.3mm .090"	1.8mm .071"	0°	1"	\$89.70
MD12-960	12"	96	3.2mm .126"	2.2mm .087"	10°	1"	\$104.06
MD12-960R	12"	96	2.9mm .116"	2.5mm .098"	10°	1"	\$113.55
MD12-106TB	12"	100	2.8mm .110"	2.2mm .086"	0°	1"	\$107.63
MD14-800	14"	80	3.8mm .150"	2.8mm .110"	12°	1"	\$125.59
MD14-840	14"	84	3.5mm .138"	2.5mm .098"	10°	1"	\$119.33
MD14-108	14"	108	3.5mm .138"	2.5mm .098"	10°	1"	\$139.95
MD18-108	18"	108	4.0mm .157"	2.8mm .110"	10°	1"	\$206.36

ADJUSTABLE SCORING SETS							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD120-T10	120mm	12x2	2.8mm-3.6mm .110"-.144"	2.2mm(x2) .087"(x2)	12°	3/4"	\$95.10
MD120-T12	120mm	12x2	2.8mm-3.6mm .110"-.144"	2.2mm(x2) .087"(x2)	12°	20mm	\$95.10
MD120-T14	120mm	12x2	2.8mm-3.6mm .110"-.144"	2.2mm(x2) .087"(x2)	12°	22mm	\$95.10
MD120-T20	120mm	12x2	2.8mm-3.6mm .110"-.149"	2.2mm(x2) .087"(x2)	12°	50mm	\$139.95

CONICAL TYPE SCORING							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD120-T24-20	120mm	24	3.0mm-4.2mm .118"-.165"	2.2mm .087"	0°	20mm	\$84.99

THIN KERF MITER/FINISHING							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD10-406TB	10"	40	2.3mm .090"	1.8mm .071"	0°	5/8"	\$61.91
MD10-606	10"	60	2.3mm .090"	1.8mm .071"	0°	5/8"	\$68.18
MD10-816TB	10"	80	2.3mm .090"	1.8mm .071"	0°	5/8"	\$81.64
MD12-606	12"	60	2.8mm .110"	2.2mm .086"	0°	1"	\$73.58
MD12-806	12"	80	2.3mm .090"	1.8mm .071"	0°	1"	\$89.70
MD12-106TB	12"	100	2.8mm .110"	2.2mm .086"	0°	1"	\$107.63

THIN KERF SLIDING COMPOUND MITER AND RADIAL ARM								
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	GRIND	BORE	PRICE
MD8-606TB	8-1/2"	60	2.2mm .087"	1.4mm .055"	-5°	4 ATB + 1 MFT	5/8"	\$65.33
MD10-606TB	10"	60	2.4mm .094"	1.8mm .071"	-5°	4 ATB + 1 MFT	5/8"	\$68.18
MD10-606TBR	10"	60	2.4mm .094"	1.8mm .071"	-3°	2 ATB + 1 FT	5/8"	\$77.18
MD12-726TB	12"	72	2.4mm .094"	1.8mm .071"	-3°	2 ATB + 1 FT	1"	\$87.90
MD12-976TBR	12"	96	2.4mm .094"	1.8mm .071"	-3°	2 ATB + 1 FT	1"	\$125.59
MD14-966TB	14"	96	3.0mm .118"	2.5mm .100"	-5°	2 ATB + 1 FT	1"	\$134.59

HEAVY DUTY MITER/DOUBLE MITER							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD10-806	10"	80	3.0mm .118"	2.5mm .098"	-5°	5/8"	\$87.41
MD12-816	12"	80	3.0mm .118"	2.5mm .098"	-5°	1"	\$105.30
MD12-106	12"	100	3.0mm .118"	2.5mm .098"	-5°	1"	\$115.13
MD12-106-5/8	10"	100	3.0mm .118"	2.5mm .098"	-5°	5/8"	\$115.13

HOLLOW GROUND							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD220-427-30	220mm	42	3.2mm .126"	2.2mm .087"	10°	30mm	\$89.70
MD10-487-30	250mm	48	3.2mm .126"	2.2mm .087"	10°	30mm	\$98.70

DOUBLE-SIDED MELAMINE							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD220-T643	220mm	64	3.2mm .126"	2.0mm .079"	0°	30mm	\$89.70
MD10-803	10"	80	3.2mm .126"	2.2mm .098"	0°	5/8"	\$103.39
MD10-803-30	10"	80	3.2mm .126"	2.2mm .098"	0°	30mm	\$103.39
MD12-963	12"	96	3.2mm .126"	2.5mm .098"	0°	1"	\$124.13
MD12-963-30	12"	96	3.2mm .126"	2.5mm .098"	0°	30mm	\$124.13

THIN KERF DOUBLE-SIDED MELAMINE							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD8-643TB	8"	64	2.1mm .083"	1.6mm .063"	-3°	5/8"	\$86.78
MD10-803TB	10"	80	2.3mm .091"	1.8mm .071"	-3°	5/8"	\$103.39
MD12-963TB	12"	96	2.3mm .091"	1.8mm .071"	-3°	1"	\$124.13

SOLID SURFACE							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD160-488	160mm	48	2.6mm .102"	1.8mm .071"	-2°	20mm	\$61.91
MD7-408	7-1/4"	40	2.6mm .104"	2.0mm .080"	-2°	5/8"	\$64.58
MD7-608	7-1/4"	60	3.0mm .118"	2.2mm .087"	0°	5/8"	\$71.74
MD8-608	8"	60	3.2mm .126"	2.2mm .087"	0°	5/8"	\$66.23
MD10-728	10"	72	3.2mm .126"	2.2mm .087"	0°	5/8"	\$92.44
MD10-728-30	10"	72	3.2mm .126"	2.2mm .087"	0°	30mm	\$92.44
MD12-848	12"	84	3.2mm .126"	2.2mm .087"	0°	1"	\$107.63
MD12-848-30	12"	84	3.2mm .126"	2.2mm .087"	0°	30mm	\$107.63

PLASTICS							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD7-402	7-1/4"	40	3.0mm .118"	1.9mm .078"	-2°	5/8"	\$64.58
MD7-602	7-1/4"	60	3.0mm .118"	1.9mm .078"	-2°	5/8"	\$87.00
MD8-642	8"	64	2.5mm .098"	1.8mm .071"	-2°	5/8"	\$80.74
MD220-642-30	220mm	64	3.2mm .126"	2.0mm .079"	-2°	30mm	\$89.70
MD10-802	10"	80	2.5mm .098"	1.8mm .071"	-2°	5/8"	\$98.66
MD12-962	12"	96	3.2mm .125"	2.5mm .100"	-2°	1"	\$116.63
MD14-102-30	14"	108	3.7mm .145"	3.0mm .118"	-2°	30mm	\$188.40

DEMOLITION								
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	INCLUDES 2 BUSHINGS	PRICE
DB12-120	12"	12	3.4mm .134"	2.5mm .098"	-15°	1"	1-7/8" AND 1"-20mm	\$58.28
DB12-240	12"	24	3.4mm .134"	2.5mm .098"	-15°	1"	1-7/8" AND 1"-20mm	\$71.21
DB14-240	14"	24	4.0mm .157"	2.8mm .110"	-15°	1"	1-7/8" AND 1"-20mm	\$98.89

NON-FERROUS FOR THIN-WALLED ALUMINUM							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD5-505	5-3/8"	50	1.4mm .055"	.9mm .039"	-5°	20mm	\$53.78
MD6-605	6-1/4"	60	2.0mm .079"	1.6mm .063"	-5°	5/8"	\$86.10
MD7-585	7"-7-1/4"	58	2.8mm .0110"	2.2mm .087"	-6°	5/8"	\$71.74
MD8-645	8"	64	2.8mm .0110"	2.2mm .087"	-6°	5/8"	\$88.24
MD10-805	10"	80	3.2mm .126"	2.6mm .102"	-5°	5/8"	\$109.46
MD10-805-30	10"	80	3.2mm .126"	2.6mm .102"	-5°	5/8"	\$99.99
MD10-105	10"	100	3.2mm .126"	2.6mm .102"	-5°	30mm	\$122.89
MD12-965TB	12"	96	2.3mm .091"	1.8mm .071"	-5°	5/8"	\$125.59
MD12-105	12"	100	3.2mm .126"	2.5mm .100"	-5°	1"	\$124.35
MD12-105-30	12"	100	3.2mm .126"	2.5mm .100"	-5°	1"	\$124.35
MD12-105-5/8	12"	100	3.2mm .126"	2.5mm .100"	-5°	30mm	\$124.35
MD12-125	12"	120	3.2mm .126"	2.5mm .100"	-5°	5/8"	\$179.40
MD14-105	14"	108	3.2mm .126"	2.5mm .100"	-6°	1"	\$170.48
MD15-105	15"	100	3.2mm .126"	2.5mm .100"	-6°	1"	\$173.14
MD16-125	16"	120	3.8mm .150"	3.2mm .126"	-6°	1"	\$233.25
MD18-125	18"	120	3.8mm .150"	3.2mm .126"	-6°	1"	\$251.18
MD20-125	20"	120	4.4mm .173"	3.6mm .141"	-6°	1"	\$296.96
MD20-125-30	20"	120	4.4mm .173"	3.6mm .141"	-6°	30mm	\$296.96
MD22-125	22"	128	4.4mm .173"	3.8mm .149"	-5°	1"	\$466.50
MD24-145	24"	140	4.6mm .181"	4.0mm .158"	-5°	1"	\$574.16

NON-FERROUS FOR THICK-WALLED ALUMINUM							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD7-505	7-1/4"	50	2.8mm .110"	2.2mm .087"	-5°	5/8"	\$71.74
MD8-485	8"	48	2.8mm .110"	2.2mm .087"	-6°	5/8"	\$76.28
MD10-605	10"	60	3.2mm .126"	2.5mm .098"	-6°	5/8"	\$107.63
MD12-725	12"	72	3.2mm .126"	2.5mm .098"	-6°	1"	\$134.59
MD14-845	14"	84	3.2mm .126"	2.5mm .098"	-6°	1"	\$143.51
MD16-965	16"	96	3.8mm .150"	3.2mm .126"	-6°	1"	\$224.29
MD16-965-30	16"	96	3.8mm .150"	3.2mm .126"	-6°	30mm	\$224.29

CUT HEAVY GAUGE ALUMINUM HURRICANE SHUTTERS							
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	PRICE
MD10-305	10"	30	3.2mm .126"	2.5mm .098"	-2°	5/8"	\$50.21
MD10-405	10"	40	3.2mm .126"	2.5mm .098"	-2°	5/8"	\$62.81

SAW BLADES FOR FESTOOL AND OTHER TRACK SAW MACHINES									
TOOL	DIA	TEETH	KERF	PLATE	HOOK ANGLE	BORE	APPLICATION	MACHINES	PRICE
MD160-140	160mm	14	2.5mm .098"	1.6mm .063"	28°	20mm	RIPPING	TS 55 EQ/ATF 55 E/AP 55	\$35.85
MD160-280	160mm	28	2.5mm .098"	1.6mm .063"	15°	20mm	GENERAL PURPOSE	TS 55 EQ/ATF 55 E/AP 55	\$41.29
MD160-480	160mm	48	2.2mm .087"	1.6mm .063"	5°	20mm	CROSSCUT	TS 55 EQ/ATF 55 E/AP 55	\$44.85
MD160-488	160mm	48	2.6mm .102"	1.8mm .071"	-2°	20mm	SOLID SURFACE/LAMINATE	TS 55 EQ/ATF 55 E/AP 55	\$61.91
MD160-565	160mm	56	2.5mm .098"	1.8mm .071"	-5°	20mm	ALUMINUM/PLASTICS	TS 55 EQ/ATF 55 E/AP 55	\$86.10
STL160-56	160mm	56	2.5mm .098"	2.0mm .079"	-5°	20mm	ALLOY AND VIRGIN STEEL	TS 55 EQ/ATF 55 E/AP 55	\$70.50
MD210-160	210mm	16	2.6mm .102"	1.8mm .071"	28°	30mm	RIPPING	TS 75 EQ	\$45.75
MD210-360	210mm	36	2.4mm .094"	1.8mm .071"	15°	30mm	GENERAL PURPOSE	TS 75 EQ	\$58.80
STL210-30	210mm	36	2.2mm .087"	1.8mm .071"	0°	30mm	ALLOY AND VIRGIN STEEL	TS 75 EQ	\$102.68
MD210-523	210mm	52	2.4mm .094"	1.8mm .071"	5°	30mm	FINE CROSSCUT IN SHEET GOODS, MELAMINE	TS 75 EQ	\$87.00
MD210-608	210mm	60	2.4mm .094"	1.8mm .071"	-2°	30mm	SOLID SURFACE/LAMINATE	TS 75 EQ	\$94.76
MD210-725	210mm	72	2.4mm .094"	1.8mm .071"	-5°	30mm	ALUMINUM/PLASTICS	TS 75 EQ	\$105.90
MD260-600	260mm	60	2.5mm .098"	1.6mm .063"	-5°	30mm	GENERAL PURPOSE	KAPEX KS 120	\$107.63
MD260-685	260mm	68	2.4mm .094"	1.8mm .071"	-5°	30mm	ALUMINUM/PLASTICS	KAPEX KS 120	\$119.33
MD260-800	260mm	80	2.5mm .098"	1.6mm .063"	-5°	30mm	WOOD, BUILDING PANELS, AND SOFT PLASTICS	KAPEX KS 120	\$119.33

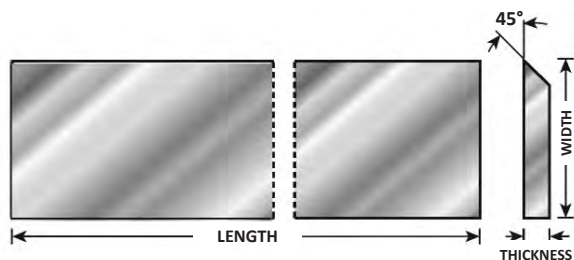
STEEL FOR LOW RPM SPECIALTY SAWS							
TOOL	DIA	TEETH	KERF	PLATE	GRIND	BORE	PRICE
STL160-48	6-1/4"	48	2.0mm .079"	1.6mm .063"	FWF	5/8"	\$78.34
STL180-36	7"-7-1/4"	36	2.2mm .086"	1.8mm .071"	FWF	5/8"	\$78.90
STL185-48	7-1/4"	36	2.2mm .086"	1.8mm .071"	FWF	5/8"	\$84.98
STL203-42	8"-8-1/4"	42	1.8mm .071"	1.3mm .051	WWF	5/8"	\$85.84
STL230-48	9"	48	2.0mm .079"	1.6mm .063	TCG	5/8"	\$93.30
STL254-52	10"	52	1.9mm .075	1.6mm .063	TCG	5/8"	\$98.93
STL305-60	12"	60	2.2mm .087"	1.8mm .071"	WWF	1"	\$111.94
STL305-80	12"	80	2.2mm .087"	1.8mm .071"	WWF	1"	\$139.95
STL355-72	14"	72	2.4mm .095	2.0 .078	WWF	1"	\$144.71
STL355-90	14"	90	2.4mm .094	2.0 .078	WWF	1"	\$186.60

STAINLESS STEEL FOR LOW RPM SPECIALTY SAWS							
TOOL	DIA	TEETH	KERF	PLATE	GRIND	BORE	PRICE
SST254-60	10"	60	2.2mm .087"	1.8mm .071"	TCG	1"	\$183.86
SST305-72	12"	72	2.2mm .087"	1.8mm .071"	TCG	1"	\$256.61
SST355-84	14"	84	2.4mm .095"	2.0mm .079"	TCG	1"	\$288.83

HSS PLANER & JOINTER KNIFE SETS T-1 HIGH SPEED STEEL 18% TUNGSTEN					
PART	LENGTH	WIDTH	THICKNESS	QTY	PRICE
P 100	4"	5/8"	1/8"	3	\$23.85
P 130	4-3/8"	5/8"	1/8"	3	\$25.61
P 150	6"	5/8"	1/8"	3	\$46.69
P 160	6"	5/8"	1/8"	4	\$42.71
P 165	6"	3/4"	1/8"	3	\$46.69
P 170	6"	7/8"	1/8"	3	\$42.34
P 190	6-1/16"	5/8"	3/32"	3	\$45.71
P 220	6-1/8"	5/8"	1/8"	3	\$38.10
P 230	6-1/8"	3/4"	1/8"	3	\$38.10
P 250	8"	5/8"	1/16"	4	\$54.15
P 270	8"	5/8"	1/8"	3	\$58.31
P 280	8"	3/4"	1/16"	3	\$22.46
P 290	8"	3/4"	1/8"	3	\$55.99
P 294	8"	3/4"	1/8"	4	\$74.66
P 300	8"	7/8"	1/8"	3	\$58.58
P 310	8"	1"	1/8"	3	\$76.88
P 360	12"	5/8"	1/8"	3	\$58.95
P 370	12"	3/4"	1/8"	3	\$59.78
P 390	12"	1"	1/8"	3	\$89.70
P 395	12"	1-1/4"	1/8"	3	\$92.96
P 430	12-1/2"	7/8"	1/8"	3	\$67.46
P 431	12-1/2"	11/16"	1/8"	3	\$76.88
P 440	13-1/8"	11/16"	5/32"	3	\$95.10
METRIC					
P 120	100mm	30mm	3mm	4	\$14.96
P 140	130mm	30mm	3mm	4	\$21.34
P 180	150mm	30mm	3mm	4	\$29.51
P 240	180mm	30mm	3mm	4	\$22.46

HSS PLANER & JOINTER KNIVES T-1 HIGH SPEED STEEL 18% TUNGSTEN					
PART	LENGTH	WIDTH	THICKNESS	QTY	PRICE
P 432	10"	30mm	1/8"	1	\$11.36
P 445	15"	1"	1/8"	1	\$45.23
P 442	16"	1"	1/8"	1	\$45.23
P 450	20"	1"	1/8"	1	\$55.99
P 455	20"	35mm	1/8"	1	\$62.81
P 480	24"	1"	1/8"	1	\$76.88
P 490	24"	1-1/4"	1/8"	1	\$82.46
P 495	24"	35mm	1/8"	1	\$62.81
P 590	25"	1-1/4"	1/8"	1	\$76.88
P 650	31"	1"	1/8"	1	\$73.46
P 660	31"	1-1/4"	1/8"	1	\$83.44
P 700	37"	5/8"	1/8"	1	\$37.46
P 735	37"	35mm	1/8"	1	\$44.85
P 740	37"	5/8"	3/32"	1	\$35.85
P 762	37"	1-1/8"	5/32"	1	\$78.11
METRIC					
P 357	230mm	30mm	3mm	1	\$13.80
P 447	450mm	35mm	3mm	1	\$22.20
P 731	300mm	35mm	3mm	1	\$17.06
P 733	350mm	35mm	3mm	1	\$17.06
P 737	450mm	35mm	3mm	1	\$25.61
P 457	600mm	35mm	3mm	1	\$42.71
P 459	1 meter	1"	3mm	1	\$72.53

CARBIDE TIPPED PLANER & JOINTER KNIVES					
PART	LENGTH	WIDTH	THICKNESS	QTY	PRICE
CTP-100	4"	3/4"	1/8"	1	\$26.93
CTP-110	6"	5/8"	1/8"	1	\$37.69
CTP-120	6"	3/4"	1/8"	1	\$40.39
CTP-130	8"	5/8"	1/8"	1	\$53.81
CTP-140	8"	3/4"	1/8"	1	\$53.81
CTP-170	15"	1"	1/8"	1	\$143.51
CTP-200	20"	1"	1/8"	1	\$179.40



Looking for more **AMANA TOOLS?**

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sales@ballewsaw.com 800-288-7483

SHARPENING	
ITEM	PRICE
SHAPER CUTTER SETS	
<i>Always add sharpening cost to below prices for replacements</i>	
2 PIECE DOOR LIP CUTTER SET	\$30.00
3 PIECE RAIL AND STILE DOOR SET	\$30.00
4 PIECE RAIL AND STILE DOOR SET	\$40.00
5 PIECE RAIL AND STILE DOOR SET	\$50.00
6 PIECE RAIL AND STILE DOOR SET	\$60.00
8 PIECE COMBINATION SET FOR EXTERIOR DOORS	\$80.00
THREE WING CUTTERS	
<i>Oversized 3 wing cutters are an additional charge</i>	
1 CUTTER	\$17.00
2 CUTTERS	\$20.00
3 CUTTERS	\$30.00
4 CUTTERS	\$40.00
5 CUTTERS	\$50.00
6 CUTTERS	\$60.00
7 CUTTERS	\$70.00
8 CUTTERS	\$80.00
ROUTER BITS	
<i>Chipped or damaged router bit tips can not be sharpened or retipped</i>	
1-4 BITS (1/4" and 1/2" SHANK)	\$6.50
5-8 BITS (1/4" and 1/2" SHANK)	\$6.00
9 OR MORE BITS (1/4" AND 1/2" SHANK)	\$5.50
ROUTER BITS WITH 1" DIAMETER OR LARGER	\$7.50
RAISED PANEL SETS OR STILE AND RAIL SETS	\$20.00
CARBIDE TIPPED DADO HEADS	
<i>We do not sharpen steel stackable type dados</i>	
ADJUSTABLE DADO HEADS	\$15.00
STACK TYPE up to 7 PIECES	\$48.00
EXTRA CHIPPERS ADD (PER CHIPPER)	\$4.00
HSS CIRCULAR METAL CUTTING SAW BLADES	
<i>For cutting Brass/Copper/Aluminum</i>	
10" DIAMETER or less	\$11.00
12" - 14" DIAMETER	\$14.00
16" - 18" DIAMETER	\$18.00
20" - 22" DIAMETER	\$22.00

HSS or CARBIDE JOINTER/PLANER KNIFE SHARPENING		
KNIFE MATERIAL	PRICE PER INCH	MINIMUM ORDER
<i>Pricing is by the Inch on each knife</i>		
HIGH SPEED STEEL	\$0.75	\$9.00
CARBIDE	\$2.50	\$12.50

IMPORTANT INFORMATION ABOUT SHARPENING YOUR TOOLS WITH US

1. Please be sure to carefully and individually wrap each item you send to us to prevent damage during shipping.
2. If you need to sharpen a tool that comes from a set send in all of the set pieces so that we can ensure that the set works at its most optimum level.

If your sharpening order is \$250.00 or more we pay your return freight. No freight paid on wooden or metal containers.

Details in INFORMATION page 4

IMPORTANT INFORMATION ABOUT SHARPENING CARBIDE TIPPED SAW BLADES

We use the industry standard 10% rule when it comes to chipped teeth. This reduces your cost and preserves the cut.

Example: we will sharpen a 60-tooth blade with 5 damaged teeth (broken or chipped points) but we will not replace the tips unless requested otherwise.

NOTE: If you do want every tooth fixed, put a note in with your blades. We will be happy to replace as you request.

SAW BLADE SHARPENING			
NUMBER OF TEETH	DIAMETER		
	15" or less	16" to 19"	20" to 28"
	PRICE	PRICE	PRICE
20 OR LESS	\$16.00	\$18.50	\$50.00
22-30	\$18.50	\$21.00	
32-40	\$21.00	\$23.50	
42-50	\$23.50	\$26.00	
52-60	\$26.00	\$28.50	
62-70	\$28.50	\$31.00	
72-80	\$31.00	\$33.50	
82-90	\$33.50	\$36.00	
92-100	\$36.00	\$38.50	
102-110	\$38.50	\$41.00	
112-120	\$41.00	\$43.50	
122-130	\$43.50	\$46.00	
132-140	\$46.00	\$48.50	

SAW BLADE CARBIDE TIP REPLACEMENT	
ITEM	PRICE
<i>Always add sharpening cost to below prices for replacements</i>	
STANDARD SIZE (3/16" KERF OR LESS)	\$5.50
ABOVE 3/16" KERF	QUOTE UPON REQUEST

Stark HSS blanks on page 152

CUSTOM GROUND PROFILE KNIVES			
FINISHED LENGTH	SINGLE KNIFE	TWO KNIVES	THREE KNIVES
<i>For various machines</i>			
2" and smaller	\$57.50	\$115.00	\$138.00
2-1/2"	\$57.50	\$115.00	\$138.00
3"	\$69.00	\$138.00	\$207.00
3-1/2"	\$80.50	\$161.00	\$276.00
4"	\$92.00	\$184.00	\$345.00
4-1/2"	\$103.50	\$207.00	\$414.00
5"	\$115.00	\$230.00	\$483.00
5-1/2"	\$126.50	\$253.00	\$552.00
6"	\$138.00	\$276.00	\$621.00
6-1/2" and larger	CALL FOR PRICING		

OTHER PRICING	
ITEM	PRICE
<i>Standard manufacturing time is 3-5 business days Expedited Service available at additional cost</i>	
TEMPLATES	\$35.00
WEIGHTS and GIBS*	\$25.00
FILLER STOCK price per inch**	\$5.00 per inch
ALUMINUM or STEEL GIBS	\$5.00
GIBS balanced with knife for custom molding head	\$15.00
*One (1) set of weights and gibs matched to a single knife. Contains one (1) aluminum gib for 5/16" knife, two (2) steel gibs, and two (2) steel counter weights **Filler is required when the knife is a lot shorter than the head Note: special requests may include additional costs or set-up fees if additional time or material is needed to complete your order	

CUSTOM GROUND CORRUGATED HEADS		
Corrugated heads are machined in solid steel to accept 1/4" or 5/16" corrugated back knives. Available in 20° hook and 60° corrugations with pocket style gibs included in each pocket. All corrugated heads in stock.		
ITEM	HEIGHT	PRICE
3" DIAMETER		
3/4" BORE - 2 KNIFE SLOTS		
BT31	1"	\$98.00
BT32	2"	\$117.00
BT33	3"	\$139.00
3-1/2" DIAMETER		
1" BORE - 2 KNIFE SLOTS		
BT351	1"	\$105.00
BT352	2"	\$125.00
BT353	3"	\$152.00
BT354	4"	\$175.00
4" DIAMETER		
1-1/4" BORE - 2 KNIFE SLOTS		
BT42-2	2"	\$134.00
BT43-2	3"	\$162.00
BT44-2	4"	\$183.00
BT45-2	5"	\$216.00
BT46-2	6"	\$237.00
4" DIAMETER		
1-1/4" BORE - 4 KNIFE SLOTS		
BT42	2"	\$178.00
BT43	3"	\$216.00
BT44	4"	\$247.00
BT45	5"	\$291.00
BT46	6"	\$323.00

IMPORTANT INFORMATION ABOUT SHARPENING YOUR TOOLS WITH US

1. Please carefully and individually wrap each item you send to us to prevent damage during shipping.
2. If you need to sharpen a tool that comes from a set send in all of the set pieces so that we can ensure that the set works at its most optimum level.

If your sharpening order is \$250.00 or more we pay your return freight.

No freight paid on wooden or metal containers.

Details in INFORMATION page 4

Stark HSS blanks on page 152

SHELIX JOINTERS		
ITEM	PRICE	PRICE WITH BEARINGS
Generic 6"	\$399.00	\$444.00
Generic 8"	\$520.00	\$570.00
Generic 10"	\$799.00	\$847.00
Generic 12"	\$985.00	\$1,093.00
Powermatic P50 6" 5/8 shaft P50 ¾ shaft P54A 6"	\$399.00	\$445.00 \$481.00 \$444.00
Yorkcraft YC-6J 6" Delta 37-195 6" Steel City 40615 6"	\$399.00	\$444.00 \$444.00 \$444.00
Delta 37-220 6" 5/8 shaft Delta 37-220 9/16 shaft Delta DJ-15 6"	\$399.00	\$444.00 \$443.00 \$453.00
Invicta DI-20 8" Delta DJ20 8" Grizzly G-1018 8"	\$520.00	\$576.00 \$576.00 \$570.00
Powermatic P-60 8" 5/8 shaft P-60 8" ¾ shaft PJ882 8"	\$520.00	\$566.00 \$586.00 \$570.00
Delta 37-315 8" General 480 8" Yorkcraft YC-8J 8"	\$520.00	\$570.00 \$570.00 \$568.00
Jet JJ8CS 8" Bridgewood BW-8J 8" Steel City 40605 8"	\$520.00	\$570.00 \$570.00 \$576.00
General 780 12" S.A.C. FS/305 12" Invicta DI-32 12" General 280	\$1,210.00	\$1268.00 \$1268.00 \$1323.00 \$ CALL
Sicar 310 12" Griggio PF-330 12" Minimax FS30 12"	\$1,210.00	\$ CALL \$1279.00 \$1268.00
Oliver 4240 10"	\$799.00	\$847.00
Oliver 4255 Bridgewood 12-J Grizzly G9860 12" Steel City 40610 12"	\$985.00	\$1093.00 \$ CALL \$1114.00 \$1093.00
Oliver 4270 16"	\$1,440.00	\$1,494.00
Invicta DI 42 16" Delta RJ-42 S.A.C. FS/430 16"	\$1,650.00	\$1728.00 \$1728.00 \$1708.00
S.A.C. FS/530 20"	\$1,865.00	\$1,923.00
SCMI 410 16"	\$2,275.00	\$2,353.00
Delta DJ30 12" Robland X31 or 310	\$1,100.00	\$ CALL \$1158.00
Northfield 12" (HD or MD)	\$1,440.00	\$ CALL
Northfield 16" (HD or MD)	\$1,870.00	\$ CALL
Minimax FS35 14"	\$1,440.00	\$1,724.00
Minimax FS-41 16"	\$1,650.00	\$1,708.00
Oliver 166 12"	\$1,740.00	\$ CALL
Oliver 166 16"	\$2,090.00	\$ CALL
Oliver 166 20"	\$2,440.00	\$ CALL
Oliver 166 24"	\$2,930.00	\$ CALL
Felder Hammer A3-26 10" Combo	\$890.00	\$1,014.00
Felder Hammer A3-31 Hammer 310 12" Combo	\$1,020.00	\$1,078.00
Felder Hammer A3-41 16" Combo	\$1,260.00	\$1,318.00
Felder AD-741 16" Combo	\$1,480.00	\$1,870.00
Felder AD-531 12" Combo	\$1,180.00	\$ CALL
Jet JPT 310 or JJP 12" Jointer-Planer	\$1,210.00	\$1,268.00

SHELIX PLANERS		
ITEM	PRICE	PRICE WITH BEARINGS
Generic 15" 4-Post	\$895.00	\$949.00
Generic 20" 4-Post	\$1,330.00	\$1,384.00
Casdei R51H3 20"	\$3,195.00	\$ CALL
Buss 24"	\$4,520.00	\$ CALL
Buss Model 44 30"	\$6,395.00	\$ CALL
Northfield #7 24"	\$4,410.00	\$4,751.00
Northfield #240 24" DBL	\$4,350.00	\$ CALL
Woodmaster 812 18"	\$1,875.00	\$ CALL
Invicta DGI 40 16"	\$2,820.00	\$ CALL
Invicta DGI 52 20" (Delta RC-51)	\$3,195.00	\$3,293.00
Invicta DGI 63 24" (Delta RC-63)	\$3,860.00	\$3,958.00
Powermatic P100 12"	\$1,020.00	\$1,078.00
Powermatic Model 15 15"	\$895.00	\$875.00
Powermatic P160 16"	\$1,540.00	\$1,926.00
Powermatic P180 18"	\$1,760.00	\$2,110.00
Powermatic Model 208 & 209 20"	\$1,330.00	\$1,384.00
Powermatic 221 20"	\$1,945.00	\$2,719.00
Powermatic M201 22"	\$1,760.00	\$1,882.00
Powermatic P225 24"	\$3,860.00	\$4634.00 (1-11/16") \$4634.00 (1-3/8") DIRECT DRIVE CALL FOR PRICING
Powermatic WP-2412 24"	\$3,860.00	\$ CALL
Powermatic PM-15" Planer/Moulder	\$2,000.00	\$2,054.00
Yorkcraft YC-15P 15"	\$895.00	\$949.00
Seco SK-824WP 24"	\$2,425.00	\$ CALL
Bridgewood BW-15P 15"	\$895.00	\$949.00
Bridgewood BW-120 20" BW-200P 20" BW-20-PV BW-508 20"	\$1,440.00	\$1534.00 \$1527.00 \$1524.00 \$1582.00
Bridgewood BW-124P 24" BW-240P 24"	\$1,760.00	\$1854.00 \$1874.00
Oliver 4455 22"	\$1,760.00	\$1,783.00
Oliver 4470 24"	\$1,985.00 NEW \$2,440.00 OLD	\$2,074.00
Oliver 399D 18"	\$2,760.00	\$ CALL
Oliver 299D 25"	\$4,080.00	\$ CALL
Oliver 18" DBL	\$4,080.00	\$ CALL
Scmi S520	\$3,195.00	\$3,284.00
Makita 2030 or 2030N 12"	\$990.00	\$1,060.00
Makita 2040 16"	\$1,295.00	\$1,266.00

SHELIX PLANERS & BENCH TOPS		
ITEM	PRICE	PRICE WITH BEARINGS
GRIZZLY G-5850 20" G9740	\$1,540.00	\$1627.00 \$1629.00
GRIZZLY G-7213 24"	\$1,875.00	\$1,962.00
SCMI S630 24"	\$3,860.00	\$3,958.00
DELTA DC380 15"	\$895.00	\$949.00
DELTA 22-200/22-201 18" Wedge Bed Planer	\$2,095.00	\$2,251.00
DELTA RC 22-650 13"	\$1,020.00	\$1,074.00
DELTA 22-660 13"	\$1,020.00	\$1,078.00
DELTA DC-580 20"	\$1,540.00	\$1,598.00
DELTA 22-470 24"	\$2,320.00	\$2,414.00
DELTA 22-503 24"	\$2,540.00	\$2,696.00
S.A.C. 530 20"	\$3,195.00	\$3,293.00
S.A.C. 630 25"	\$3,860.00	\$3,756.00
GENERAL 130 14"	\$1,440.00	\$1,498.00
BRIDGEWOOD BW-609 / GRIZZLY G9741 24"	\$1,875.00	\$1,964.00
BRIDGEWOOD BW-16-PV	\$1,330.00	\$1,414.00
JET JPM 13" Planer/Moulder	\$2,000.00	\$2,045.00
JET JWP-160S 16"	\$1,330.00	\$1,384.00
DEWALT DW-733 / DW-734 / DW-735 (with Bearings)	\$525.00	
DELTA 22-580 / 22-590 / 22-595 (with Bearings)	\$525.00	
RIGID R4330 / TP1300 / R4331 (with Bearings)	\$525.00	
HITACHI P12RA (with Bearings)	\$960.00	
MAKITA -KP312 / Steel City 40-200H (with Bearings)	\$525.00	
SEARS-CRAFTSMAN 351.217430-13" / General 30-005 HCMI (with Bearings)	\$525.00	

SHELIX CARBIDE INSERT TIPS & TORX SCREWS		
ITEM	QUANTITY	PRICE
CARBIDE INSERT KN400 REPLACEMENT TIPS 4" R 15mm x 15mm x 2.5mm		
10-290 TIPS (1-29 BOXES)	1 BOX OF 10 TIPS	\$39.00 PER BOX
300-990 TIPS (30-99 BOXES)	1 BOX OF 10 TIPS	\$36.00 PER BOX
1000 TIPS OR MORE	1 BOX OF 10 TIPS	\$31.00 PER BOX
10-32 TORX+ SCREWS FOR SHELIX		
10-32 TORX+ SCREW FOR SHELIX	1 SCREW	\$0.40

- Drawings for other machines available
- Custom Order Shelix heads available (allow 3-4 months lead time for delivery)
sales@ballewsaw.com 800-288-7483

SHELIX MOULDER & SHAPER SERIES				
ITEM	DIAMETER	LENGTH	BORE	PRICE
48300402-5	3"	1"	1-1/4"	\$130.00
48300802-3	3"	2"	3/4"	\$165.00
48300802-4	3"	2"	1"	\$165.00
48300802-5	3"	2"	1-1/4"	\$165.00
48301202-3	3"	3"	3/4"	\$240.00
48301202-4	3"	3"	1"	\$240.00
48301202-5	3"	3"	1-1/4"	\$240.00
48301602-3	3"	4"	3/4"	\$305.00
48301602-4	3"	4"	1"	\$305.00
48301602-5	3"	4"	1-1/4"	\$305.00
48350403-5	3-1/2"	1"	1-1/4"	\$130.00
48400803-5	4"	2"	1-1/4"	\$165.00
48401203-5	4"	3"	1-1/4"	\$290.00
48401603-5	4"	4"	1-1/4"	\$305.00
48402403-5	4"	6"	1-1/4"	\$465.00
48430803-5	4-3/8"	2"	1-1/4"	\$165.00
48431603-5	4-3/8"	4"	1-1/4"	\$305.00
48432403-5	4-3/8"	6"	1 1/4"	\$465.00
48480804-24	4-13/16"	2"	1-1/2"	\$220.00
48481604-24	4-13/16"	4"	1-1/2"	\$375.00
48482004-24	4-13/16"	5"	1-1/2"	\$455.00
48482804-24	4-13/16"	7"	1-1/2"	\$605.00
48483604-24	4-13/16"	9"	1-1/2"	\$730.00
48480904-25M	122mm	60mm	40mm	\$260.00
48481604-25M	122mm	100mm	40mm	\$375.00
48482004-25M	122mm	130mm	40mm	\$455.00
48482404-25M	122mm	150mm	40mm	\$510.00
48482804-25M	122mm	180mm	40mm	\$605.00
48483604-25M	122mm	230mm	40mm	\$730.00
48550803-29	140mm	2"	1-13/16"	\$265.00
48551603-29	140mm	4"	1-13/16"	\$450.00
48552403-29	140mm	6"	1-13/16"	\$660.00
48553603-29	140mm	9"	1-13/16"	\$880.00
48350802-M	3-1/2"	2"	30mm	\$379.00
48351202-M	3-1/2"	3"	30mm	\$457.00
48351602-M	3-1/2"	4"	30mm	\$534.00
48352002-M	3-1/2"	5"	30mm	\$594.00
48352402-M	3-1/2"	6"	30mm	\$679.00

SHELIX MOULDER & SHAPER SERIES				
ITEM	DIAMETER	LENGTH	BORE	PRICE
48600806-29	6"	2"	1-13/16" Straight	\$450.00
48601606-29	6"	4"	1-13/16" Straight	\$605.00
48602406-29	6"	6"	1-13/16" Straight	\$770.00
48603206-29	6"	8"	1-13/16" Straight	\$970.00
48604006-29	6"	10"	1-13/16" Straight	\$1,085.00
49600806-29	6"	2"	1-13/16" Hydro.	\$650.00
49601606-29	6"	4"	1-13/16" Hydro.	\$895.00
49602406-29	6"	6"	1-13/16" Hydro.	\$1,135.00
49603206-29	6"	8"	1-13/16" Hydro.	\$1,375.00
49604006-29	6"	10"	1-13/16" Hydro.	\$1,620.00
49600806-34	6"	2"	2-1/8" Hydro.	\$650.00
49601606-34	6"	4"	2-1/8" Hydro.	\$895.00
49602406-34	6"	6"	2-1/8" Hydro.	\$1,135.00
49603206-34	6"	8"	2-1/8" Hydro.	\$1,375.00
49604006-34	6"	10"	2-1/8" Hydro.	\$1,620.00
49604806-34	6"	12"	2-1/8" Hydro	\$1,895.00
50600806-34	6"	2"	2-1/8" Coned	\$525.00
50601606-34	6"	4"	2-1/8" Coned	\$740.00
50602406-34	6"	6"	2-1/8" Coned	\$975.00
50603206-34	6"	8"	2-1/8" Coned	\$1,195.00
50604006-34	6"	10"	2-1/8" Coned	\$1,405.00

FOR SHELIX MOULDER & SHAPER SERIES	
ITEM	PRICE
BALL BEARING RUB COLLAR 3" OD	\$55.00
BALL BEARING RUB COLLAR OVER 3" OD	\$70.00
SHIM	\$9.00
TORQUE WRENCH STANDARD BREAK OVER HANDLE (CALIBRATED AND SET)	\$110.00
TORQUE WRENCH SCREWDRIVER TYPE (TORQUE LIMITER CALIBRATED AND SET)	\$210.00



When replacing or rotating inserts the seat should be as clean as possible. This will prevent breakage of inserts and ensure proper insert alignment.

To properly align the insert press the insert away from the seat while tightening to approximately 45 inch pounds torque. This allows the countersink to slide up the tip into its proper position.

CORRUGATED KNIFE HEADS FOR SHAPERS			
ITEM	HEAD WIDTH	KNIFE SLOTS	PRICE
3" DIA x 3/4" BORE			
43300402	1"	2	\$98.00
43300403	1"	3	\$115.00
43300802	2"	2	\$120.00
43300803	2"	3	\$140.00
43301202	3"	2	\$150.00
43301203	3"	3	\$165.00
3-1/2" DIA x 1" BORE			
43350402	1"	2	\$105.00
43350403	1"	3	\$120.00
43350802	2"	2	\$135.00
43350803	2"	3	\$150.00
43351202	3"	2	\$162.00
43351203	3"	3	\$185.00
43351602	4"	2	\$187.00
43351603	4"	3	\$220.00

Machined to accept up to 5/16" thick knife
 Corrugated back knives - 20° hook
 60° Corrugations - Pocket style gibbs



STRAIGHT BORE MOULDER HEADS			
ITEM	HEAD WIDTH	KNIFE SLOTS	PRICE
4" DIA x 1-1/4" BORE			
41400802	2"	2	\$140.00
41400804	2"	4	\$185.00
41400806	2"	6	\$220.00
41401202	3"	2	\$169.00
41401204	3"	4	\$230.00
41401602	4"	2	\$195.00
41401604	1"	4	\$265.00
41401606	4"	6	\$315.00
41402002	5"	2	\$230.00
41402004	5"	4	\$315.00
41402402	6"	2	\$250.00
41402404	6"	4	\$350.00
41402406	6"	6	\$420.00
122mm DIA x 40mm BORE			
41480804M	2"	4	\$205.00
41481204M	3"	4	\$260.00
41481604M	4"	4	\$315.00
41482004M	5"	4	\$360.00
41482404M	6"	4	\$410.00
41482804M	7"	4	\$460.00
41483604M	9"	4	\$550.00

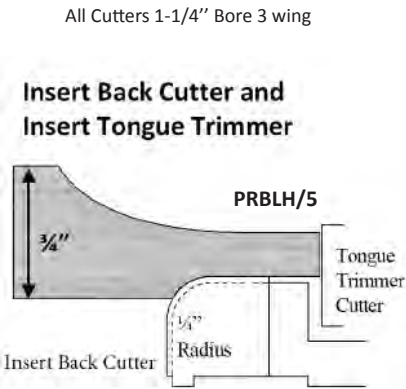
STRAIGHT BORE MOULDER HEADS			
ITEM	HEAD WIDTH	KNIFE SLOTS	PRICE
122mm DIA x 1-1/2" BORE			
41480804	2"	4	\$205.00
41480806	2"	6	\$240.00
41480904	60mm	4	\$225.00
41481204	3"	4	\$255.00
41481604	4"	4	\$305.00
41481606	4"	6	\$360.00
41482004	5"	4	\$355.00
41482006	5"	6	\$415.00
41482404	6"	4	\$405.00
41482406	6"	6	\$475.00
41482804	7"	4	\$460.00
41482806	7"	6	\$535.00
41483604	9"	4	\$550.00
6" DIA x 1-13/16" BORE			
41600804	2"	4	\$245.00
41600806	2"	6	\$280.00
41600904	2-1/4"	4	\$260.00
41600906	2-1/4"	6	\$300.00
41601204	3"	4	\$310.00
41601206	3"	6	\$350.00
41601604	4"	4	\$370.00
41601606	4"	6	\$425.00
41602404	6"	4	\$505.00
41602406	6"	6	\$575.00
41603204	8"	4	\$630.00
41603206	8"	6	\$720.00



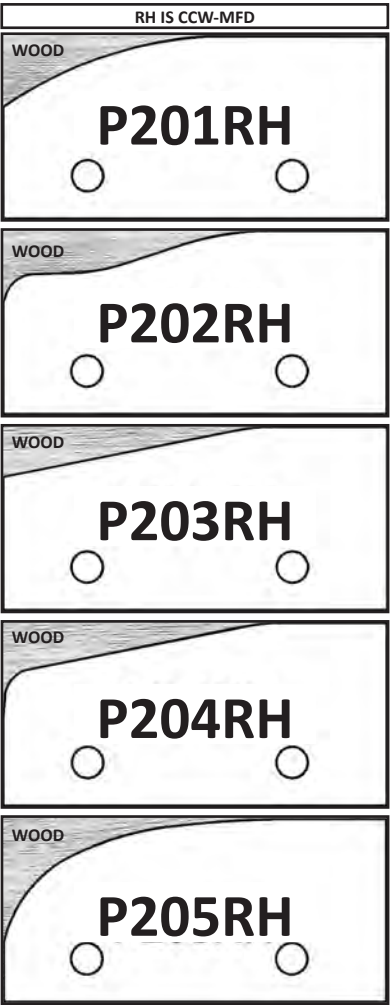
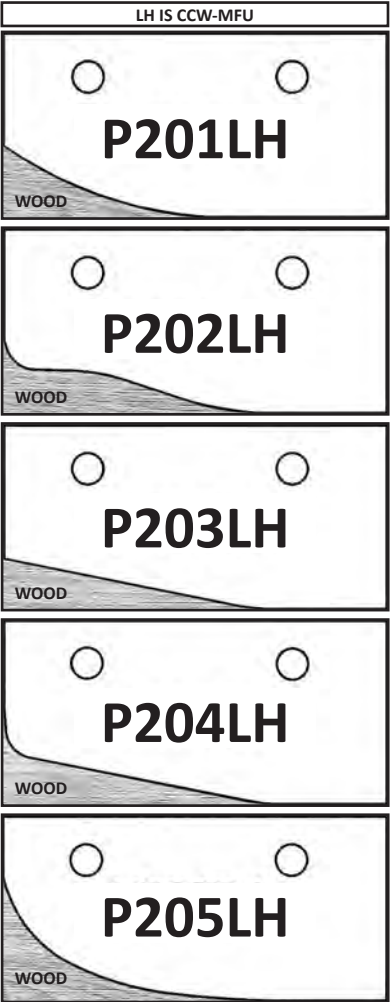
Machined to accept up to 10mm thick
knives
20° hook - 60° Corrugations

FOR STRAIGHT BORE MOULDER HEADS	
ITEM	PRICE
PINHOLES FOR X-L MOULDER	\$14.00
CONED ENDS FOR PAULSON MOULDER	\$25.00

RAISED PANEL CUTTERS	
ITEM	PRICE
6" DIA Raised Panel Cutters with Tips	\$390.00
Set of 3 Extra Tips for 6" Cutter	\$120.00
Replacement Gibs for 6" Cutter	\$18.00
4-1/2" DIA Back Cutters with Tips	\$209.00
Set of 3 Extra Tips for 4-1/2" Cutter	\$39.00
Replacement Gibs for 4-1/2" Cutter	\$10.00
3" DIA Trim Cutter with Tips	\$178.00
Set of 3 Extra Tips for 3" Cutter	\$18.00
Replacement Gibs for 3" Cutter	\$9.00
Ball Bearing Rub Collar up to 3"	\$55.00
Spacer	\$25.00



BELOW TIPS FIT THE RAISED PANEL HEAD DESIGNED
TO RUN COUNTER-CLOCKWISE WITH MATERIALS
FACE-UP



ABOVE TIPS FIT THE RAISED PANEL HEAD
DESIGNED TO RUN COUNTER-CLOCKWISE WITH
MATERIALS FACE-DOWN

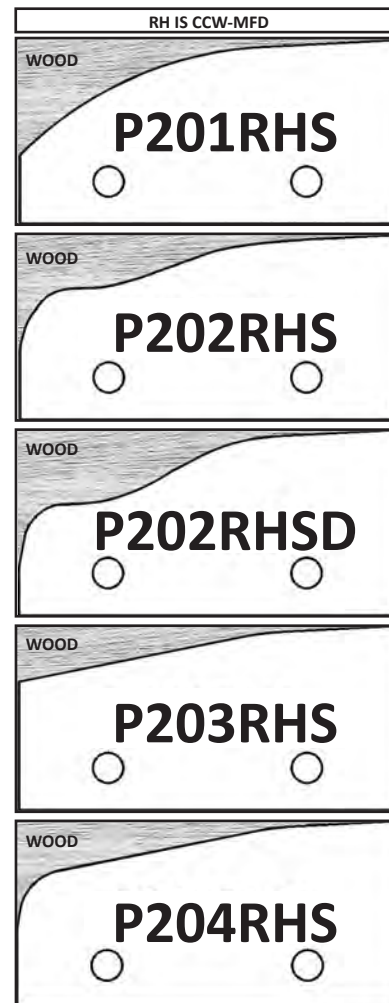
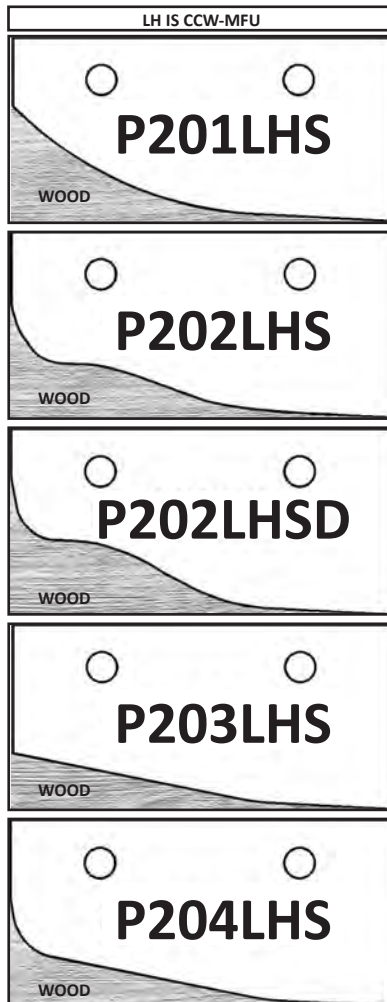
ALL TIPS SHOWN FACE COMING
ALL RAISED PANEL CUTTERS GIVE 1-1/2" REVEAL

RAISED PANEL CUTTERS FOR LARRICK MACHINE	
ITEM	PRICE
6" DIA Raised Panel Cutters with Tips	\$390.00
Set of 3 Extra Tips for 6" Cutter	\$120.00
Replacement Gibs for 6" Cutter	\$18.00
4-1/2" DIA Back Cutters with Tips	\$209.00
Set of 3 Extra Tips for 4-1/2" Cutter	\$39.00
Replacement Gibs for 4-1/2" Cutter	\$10.00
3" DIA Trim Cutter with Tips	\$178.00
Set of 3 Extra Tips for 3" Cutter	\$18.00
Replacement Gibs for 3" Cutter	\$9.00
Ball Bearing Rub Collar up to 3"	\$55.00
Spacer	\$25.00

All Cutters 1-1/4" Bore 3 wing



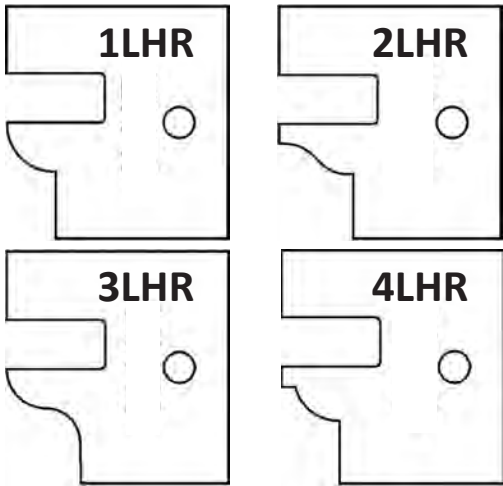
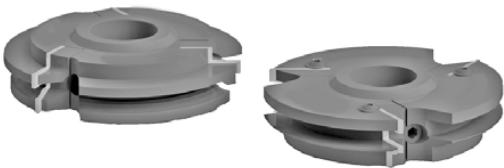
BELOW TIPS FIT THE RAISED PANEL HEAD
DESIGNED TO RUN COUNTER-CLOCKWISE WITH
MATERIALS FACE-UP



ABOVE TIPS FIT THE RAISED PANEL HEAD
DESIGNED TO RUN COUNTER-CLOCKWISE WITH
MATERIALS FACE-DOWN

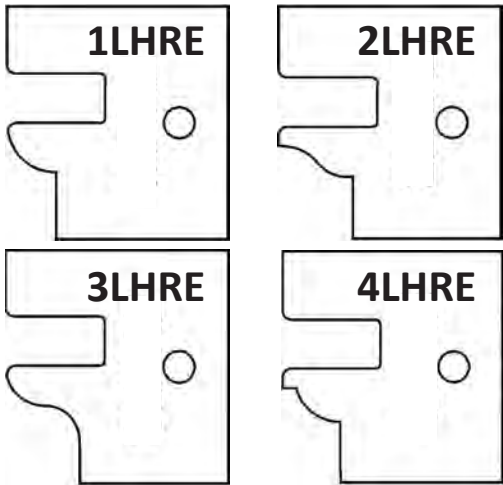
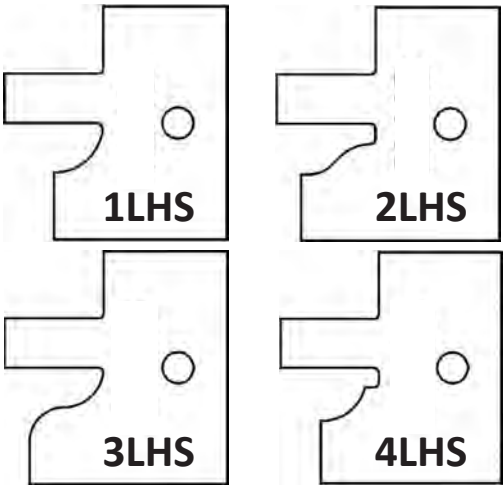
TIPS ENDING WITH "S" ARE MADE FOR LARRICK SANDING MACHINE
ALL TIPS SHOWN FACE COMING

3 WING STILE & RAIL CUTTERS	
ITEM	PRICE
4" DIA 3/4" Bore Cutter RAIL Head with Tips	\$348.00
4" DIA with 3/4" Bore Cutter STILE Head with Tips	\$348.00
4-1/2" DIA with 1-1/4" Bore Cutter RAIL Head with Tips	\$348.00
4-1/2" DIA with 1-1/4" Bore Cutter STILE Head with Tips	\$348.00
Set Of 3 Extra Tips	\$93.00
Replacement Gibs	\$13.00
Ball Bearing Rub Collar for 3" Cutter with 3/4" Bore	\$55.00
Ball Bearing Rub Collar for 3-1/2" Cutter with 1-1/4" Bore	\$55.00



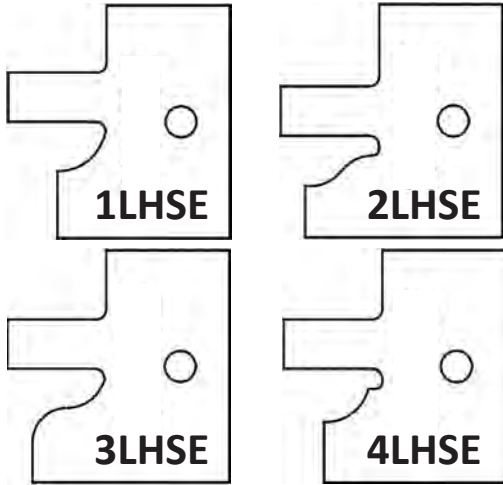
ABOVE TIPS FIT THE RAIL HEAD DESIGNED TO RUN COUNTER-CLOCKWISE WITH MATERIALS FACE-DOWN

BELOW TIPS FIT THE STILE HEAD DESIGNED TO RUN COUNTER-CLOCKWISE WITH MATERIALS FACE-DOWN



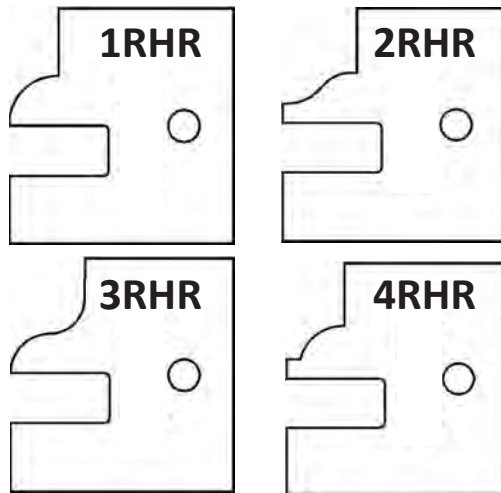
ABOVE EASED EDGE TIPS FIT THE RAIL HEAD DESIGNED TO RUN COUNTER-CLOCKWISE WITH MATERIALS FACE-DOWN

BELOW EASED EDGE TIPS FIT THE STILE HEAD DESIGNED TO RUN COUNTER-CLOCKWISE WITH MATERIALS FACE-DOWN



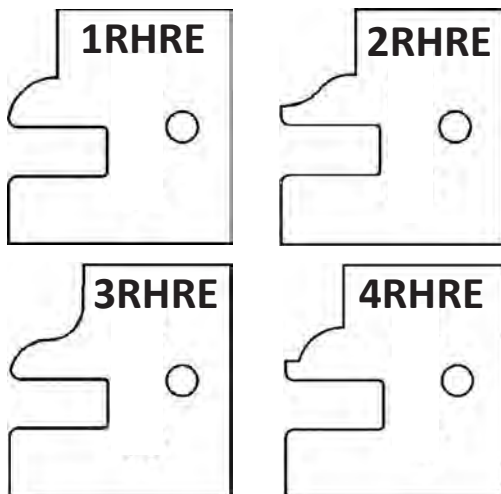
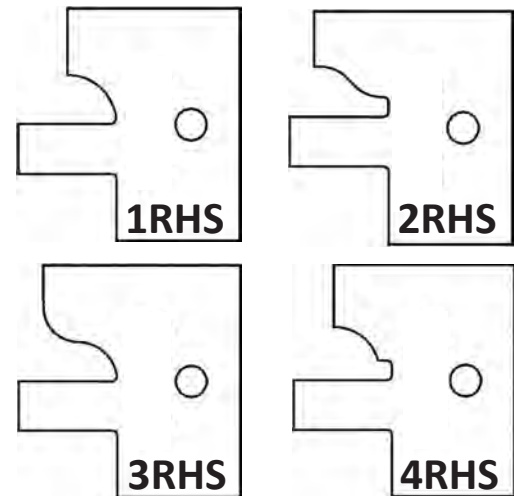
NOTE: ORDER PART/5 FOR 1-1/4" BORE
NOTE: ORDER PART/3 FOR 3/4" BORE
All tips shown on this page are interchangeable in the same stile/rail head.
GROOVE IS 1/2" DEEP X 1/4" WIDE - TIPS ARE 30MM WIDE X 30MM TALL

3 WING STILE & RAIL CUTTERS	
ITEM	PRICE
4" DIA 3/4" Bore Cutter RAIL Head with Tips	\$348.00
4" DIA with 3/4" Bore Cutter STILE Head with Tips	\$348.00
4-1/2" DIA with 1-1/4" Bore Cutter RAIL Head with Tips	\$348.00
4-1/2" DIA with 1-1/4" Bore Cutter STILE Head with Tips	\$348.00
Set Of 3 Extra Tips	\$93.00
Replacement Gibs	\$13.00
Ball Bearing Rub Collar for 3" Cutter with 3/4" Bore	\$55.00
Ball Bearing Rub Collar for 3-1/2" Cutter with 1-1/4" Bore	\$55.00



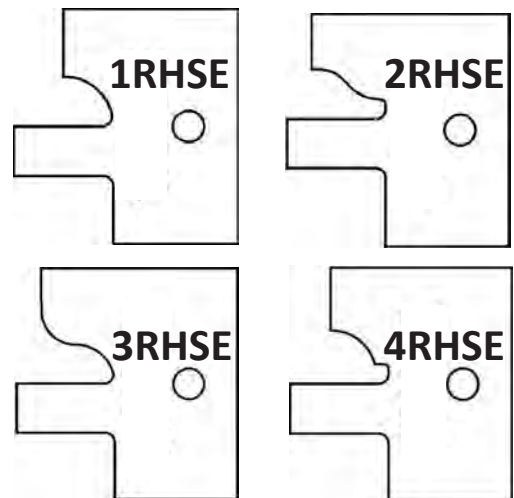
ABOVE TIPS FIT THE RAIL HEAD DESIGNED TO RUN COUNTER-CLOCKWISE WITH MATERIALS FACE-UP

BELOW TIPS FIT THE STILE HEAD DESIGNED TO RUN COUNTER-CLOCKWISE WITH MATERIALS FACE-UP



ABOVE EASED EDGE TIPS FIT THE RAIL HEAD DESIGNED TO RUN COUNTER-CLOCKWISE WITH MATERIALS FACE-DOWN

BELOW EASED EDGE TIPS FIT THE STILE HEAD DESIGNED TO RUN COUNTER-CLOCKWISE WITH MATERIALS FACE-DOWN



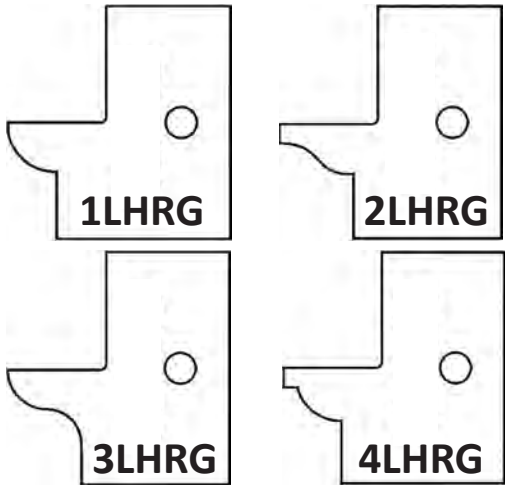
NOTE: ORDER PART/5 FOR 1-1/4" BORE

NOTE: ORDER PART/3 FOR 3/4" BORE

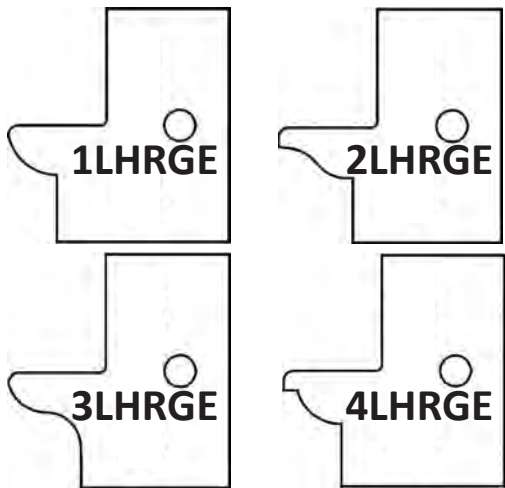
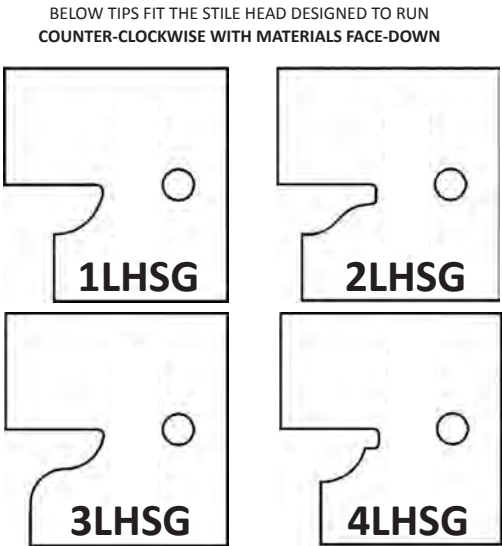
All tips shown on this page are interchangeable in the same stile/rail head.

GROOVE IS 1/2" DEEP X 1/4" WIDE - TIPS ARE 30MM WIDE X 30MM TALL

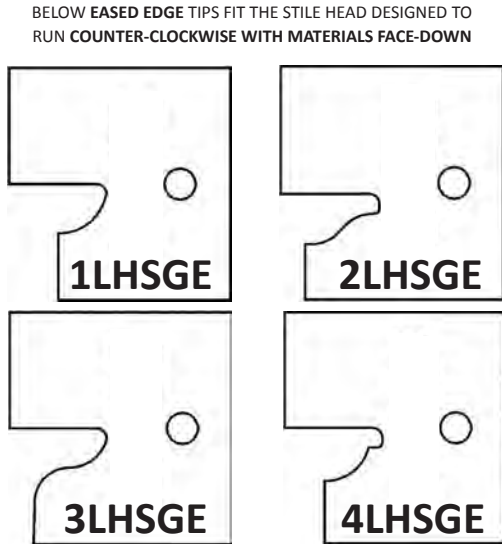
STILE & RAIL CUTTERS GLASS DOOR	
ITEM	PRICE
4" DIA 3/4" Bore Cutter RAIL Head with Tips	\$348.00
4" DIA with 3/4" Bore Cutter STILE Head with Tips	\$348.00
4-1/2" DIA with 1-1/4" Bore Cutter RAIL Head with Tips	\$348.00
4-1/2" DIA with 1-1/4" Bore Cutter STILE Head with Tips	\$348.00
Set Of 3 Extra Tips	\$93.00
Replacement Gibs	\$13.00
Ball Bearing Rub Collar for 3" Cutter with 3/4" Bore	\$55.00
Ball Bearing Rub Collar for 3-1/2" Cutter with 1-1/4" Bore	\$55.00



ABOVE TIPS FIT THE RAIL HEAD DESIGNED TO RUN COUNTER-CLOCKWISE WITH MATERIALS FACE-DOWN

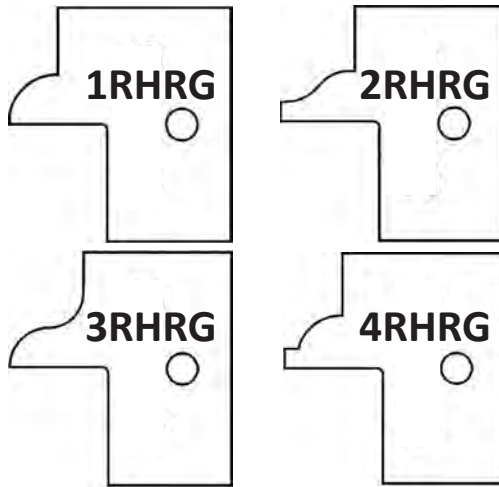
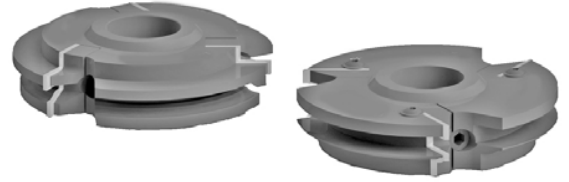


ABOVE EASED EDGE TIPS FIT THE RAIL HEAD DESIGNED TO RUN COUNTER-CLOCKWISE WITH MATERIALS FACE-DOWN



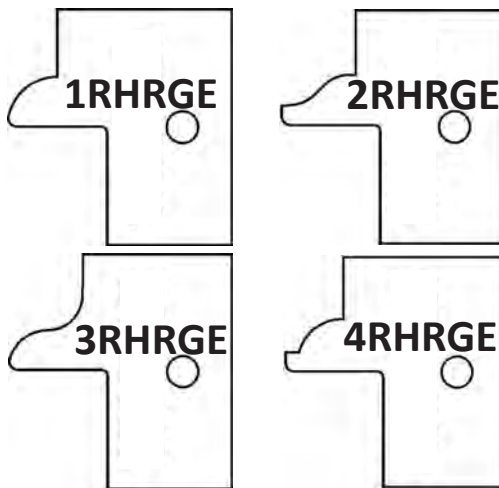
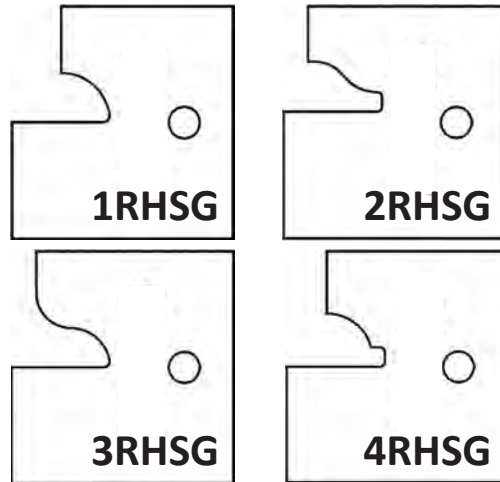
GLASS DOOR TOOL BODIES REQUIRED
NOTE: ORDER PART/5 FOR 1-1/4" BORE
NOTE: ORDER PART/3 FOR 3/4" BORE
All tips shown on this page are interchangeable in the same stile/rail head.
TIPS ARE 30MM WIDE X 30MM TALL

STILE & RAIL CUTTERS GLASS DOOR	
ITEM	PRICE
4" DIA 3/4" Bore Cutter RAIL Head with Tips	\$348.00
4" DIA with 3/4" Bore Cutter STILE Head with Tips	\$348.00
4-1/2" DIA with 1-1/4" Bore Cutter RAIL Head with Tips	\$348.00
4-1/2" DIA with 1-1/4" Bore Cutter STILE Head with Tips	\$348.00
Set Of 3 Extra Tips	\$93.00
Replacement Gibs	\$13.00
Ball Bearing Rub Collar for 3" Cutter with 3/4" Bore	\$55.00
Ball Bearing Rub Collar for 3-1/2" Cutter with 1-1/4" Bore	\$55.00



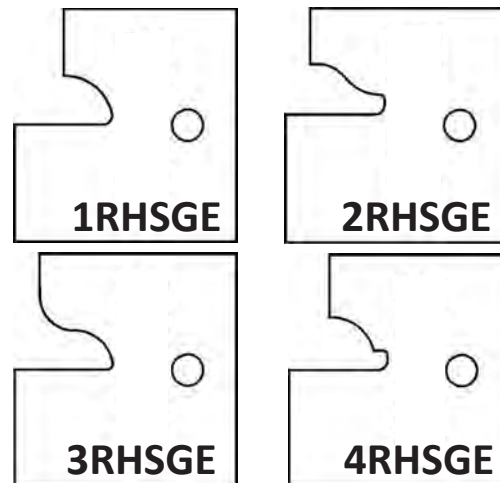
ABOVE TIPS FIT THE RAIL HEAD DESIGNED TO RUN
COUNTER-CLOCKWISE WITH MATERIALS FACE-DOWN

BELOW TIPS FIT THE STILE HEAD DESIGNED TO RUN
COUNTER-CLOCKWISE WITH MATERIALS FACE-DOWN



ABOVE EASED EDGE TIPS FIT THE RAIL HEAD DESIGNED TO RUN
COUNTER-CLOCKWISE WITH MATERIALS FACE-DOWN

BELOW EASED EDGE TIPS FIT THE STILE HEAD DESIGNED TO RUN
COUNTER-CLOCKWISE WITH MATERIALS FACE-DOWN



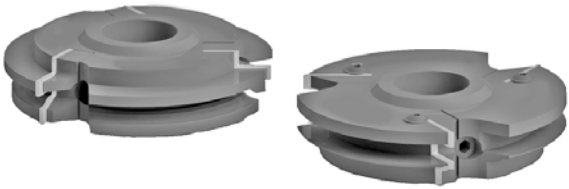
GLASS DOOR TOOL BODIES REQUIRED
NOTE: ORDER PART/5 FOR 1-1/4" BORE

NOTE: ORDER PART/3 FOR 3/4" BORE

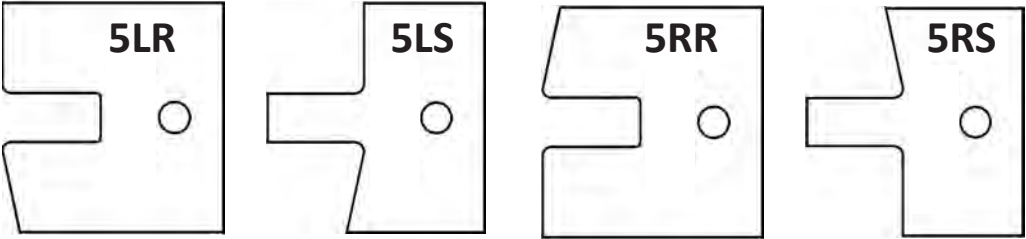
All tips shown on this page are interchangeable in the same stile/rail head.

TIPS ARE 30MM WIDE X 30MM TALL

STILE & RAIL SHAKER STYLE	
ITEM	PRICE
4" DIA 3/4" Bore Cutter RAIL Head with Tips	\$348.00
4" DIA with 3/4" Bore Cutter STILE Head with Tips	\$348.00
4-1/2" DIA with 1-1/4" Bore Cutter RAIL Head with Tips	\$348.00
4-1/2" DIA with 1-1/4" Bore Cutter STILE Head with Tips	\$348.00
Set Of 3 Extra Tips	\$93.00
Replacement Gibs	\$13.00
Ball Bearing Rub Collar for 3" Cutter with 3/4" Bore	\$55.00
Ball Bearing Rub Collar for 3-1/2" Cutter with 1-1/4" Bore	\$55.00



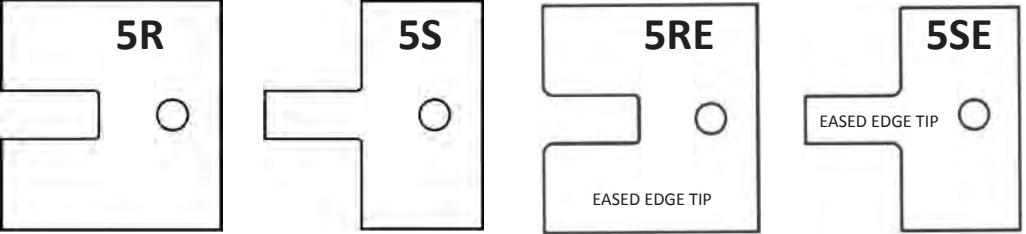
12 DEGREE ANGLE



ABOVE 2 TIPS FIT THE RAIL/STILE HEADS DESIGNED TO RUN COUNTER-CLOCK WISE WITH MATERIALS FACE-DOWN

ABOVE 2 TIPS FIT THE RAIL/STILE HEADS DESIGNED TO RUN COUNTER-CLOCK WISE WITH MATERIALS FACE-UP

REGULAR

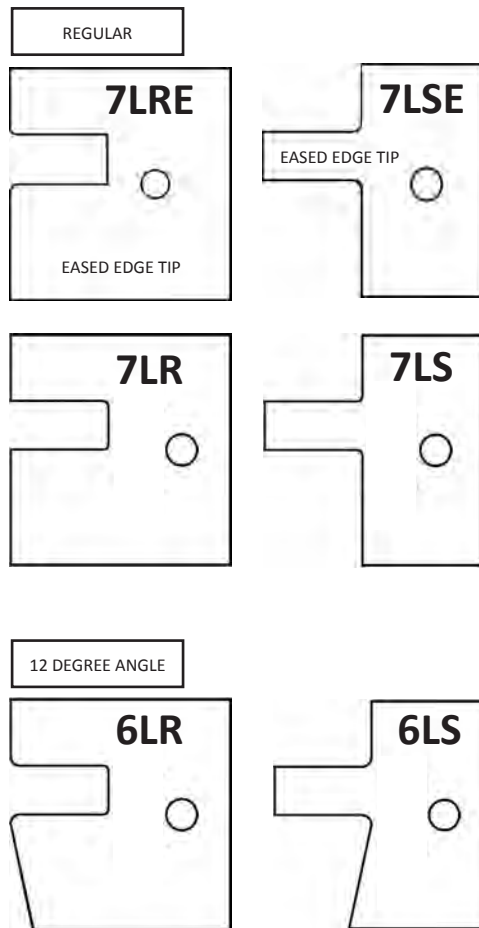


SHAKER STYLE TOOL BODIES ARE REQUIRED
WATCH FOR ROTATION PREFERENCE
NOTE: ORDER ITEM/5 FOR 1-1/4" BORE
NOTE: ORDER ITEM/3 FOR 3/4" BORE

The patterns on this page are centered so that all three rail patterns are interchangeable in the same rail body and all three stile patterns are interchangeable in the same stile body.

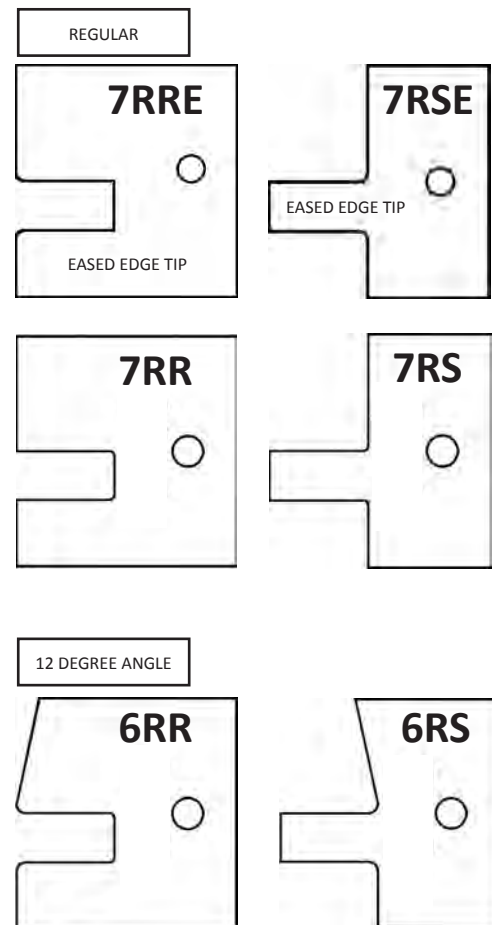
REPLACEMENTS	
ITEM	PRICE
GIB SCREWS	\$0.55
STOP SCREWS	\$2.96
T-HANDLE WRENCH	\$4.40
TOOL BUSHINGS	\$9.95

STILE & RAIL SHAKER STYLE 12° ANGLE	
ITEM	PRICE
4" DIA 3/4" Bore Cutter RAIL Head with Tips	\$348.00
4" DIA with 3/4" Bore Cutter STILE Head with Tips	\$348.00
4-1/2" DIA with 1-1/4" Bore Cutter RAIL Head with Tips	\$348.00
4-1/2" DIA with 1-1/4" Bore Cutter STILE Head with Tips	\$348.00
Set Of 3 Extra Tips	\$93.00
Replacement Gibs	\$13.00
Ball Bearing Rub Collar for 3" Cutter with 3/4" Bore	\$55.00
Ball Bearing Rub Collar for 3-1/2" Cutter with 1-1/4" Bore	\$55.00



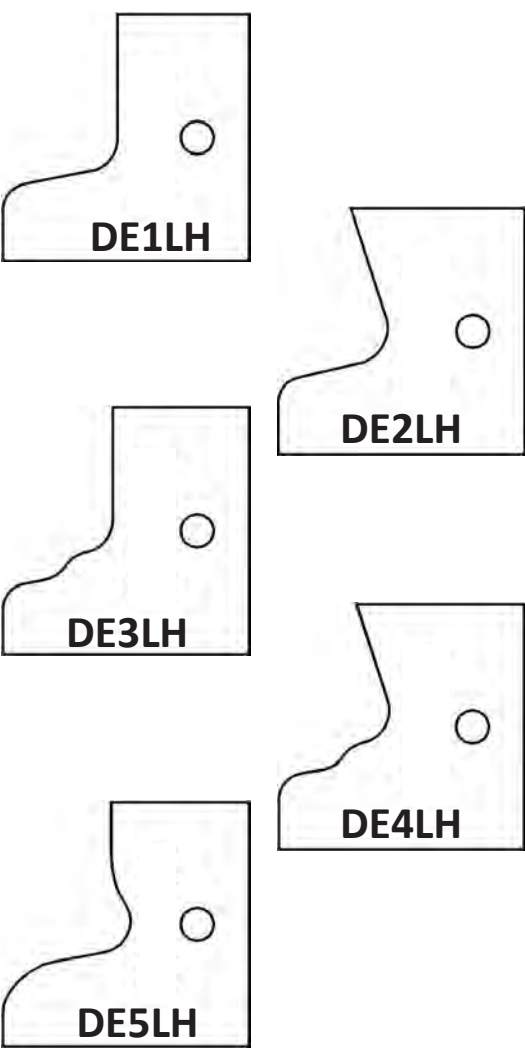
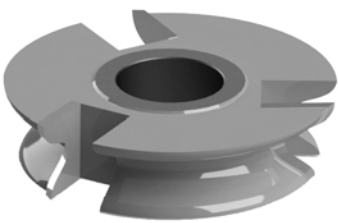
ABOVE 6 TIPS FIT THE RAIL/STILE HEAD DESIGNED TO RUN
COUNTER-CLOCK WISE WITH MATERIALS FACE-DOWN

BELOW 6 TIPS FIT THE RAIL/STILE HEAD DESIGNED TO RUN
COUNTER-CLOCK WISE WITH MATERIALS FACE-UP

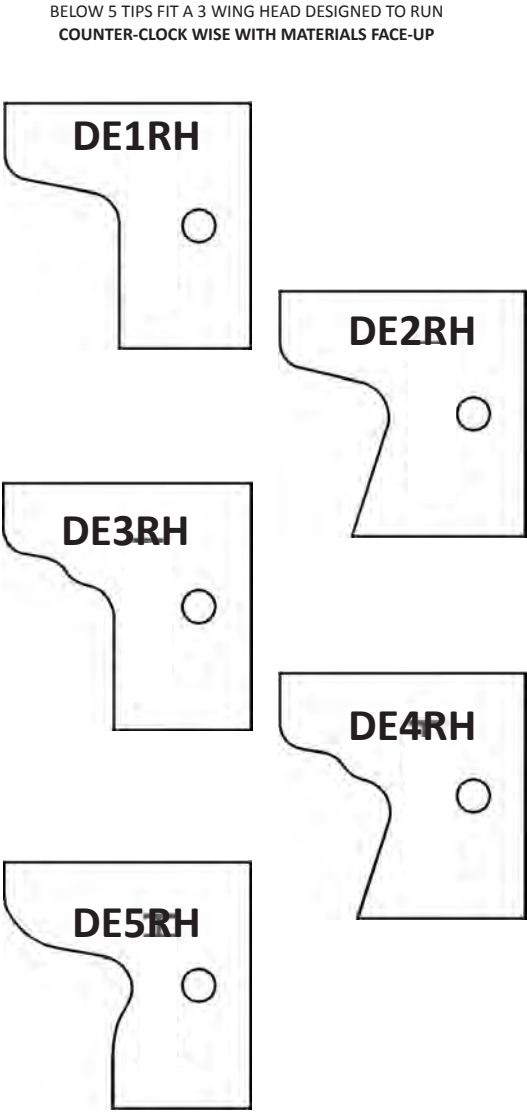


SHAKER STYLE TOOL BODIES ARE REQUIRED
WATCH FOR ROTATION PREFERENCE
NOTE: ORDER ITEM/5 FOR 1-1/4" BORE
NOTE: ORDER ITEM/3 FOR 3/4" BORE

DOOR EDGE CUTTERS	
ITEM	PRICE
3" DIA 3/4" Bore Cutter with Tips	\$348.00
3-1/2" DIA 1-1/4" Bore Cutter with Tips	\$348.00
Up to 6" DIA 1-1/4" Bore Cutter Swith Tips	\$388.00
Set Of 3 Extra Tips	\$93.00
Replacement Gibs	\$13.00



ABOVE 5 TIPS FIT A 3 WING HEAD DESIGNED TO RUN
COUNTER-CLOCK WISE WITH MATERIALS FACE-DOWN



ALL TIPS SHOWN FACE COMING
NOTE: ORDER ITEM/5 FOR 1-1/4" BORE
NOTE: ORDER ITEM/3 FOR 3/4" BORE
TIPS ARE 30MM WIDE

TSM-12 BENCH-TOP POCKET CUTTER MACHINE



TSM-12		
PART	MODEL	PRICE
A00013	TSM-12	\$1699.00

Technical Specifications:

- Router: Bosch 2.0hp #1617 Router Motor
- Drill: Bosch Colt 1.0hp #PR20EVS
- Router Bit: Premium 3/8" Solid Carbide, Rough Mill
- Drill bit: Premium 9/64" Brad & Spur TiN-Coated Bit
- Power req: 110V, 15 amps
- Shipping weight: 65 lbs
- Footprint: 13.5W x 20L x 20H

TSM-22 STANDARD DUTY POCKET CUTTER MACHINE

TSM-22		
PART	MODEL	PRICE
A00024	TSM-22	\$4899.00

Technical Specifications:

- Router: Bosch 2.0hp #1617
- Drill: Bosch Colt 1.0hp #PR20EVS
- Router bit: Premium 3/8" Solid Carbide, Rough Mill
- Drill bit: Premium 9/64" Brad and Spur TiN-Coated Bit
- Power req: 110V, 15 amps
- Air req: 85 psi
- Bosch 1617 Router 2hp for pocket cutting
- Bosch Colt Router 1hp for drilling pilot hole
- Basic footprint: 31.5" depth x 30" width x 48" high
- Working height: 36.5"
- 4" integrated dust port



TSM-31 SINGLE PHASE HEAVY DUTY POCKET CUTTER MACHINE 220V



TSM-31		
PART	MODEL	PRICE
A00031	TSM-31	\$7799.00

Technical Specifications:

- Motor: 1.5hp Baldor Router Motor
- Drill: Sioux SDG10S25FCT Air Motor
- Router bit: Premium 3/8" Solid Carbide, Rough Mill
- Drill bit: Premium 9/64" Brad and Spur TiN-Coated Bit
- Power: 220V Single Phase
- Air req: 85 psi-external regulator, filter, lubricator incl.
- Basic footprint: 21" depth x 19" width
- Working height: 36.5"
- Worktop usable area: 16" depth x 18.5" width
- Machine height: 38"
- Shipping weight: Approx. 340 lbs
- Shipping dimensions: 22" x 28" x 52"

TSM-35 3 PHASE HEAVY DUTY POCKET CUTTER MACHINE 230V OR 460V

TSM-35 230V OR 460V		
PART	MODEL	PRICE
A00035	TSM-35 230V	\$7699.00
A00036	TSM-35 460V	\$7699.00

Technical Specifications:

- Motor: 1hp Leeson Router Motor
- Drill: Sioux SDG10S25FCT Air Motor
- Router bit: Premium 3/8" Solid Carbide, Rough Mill
- Drill bit: Premium 9/64" Brad and Spur TiN-Coated Bit
- Power Options: 230V Three Phase or 460V Three Phase
- Air req: 85 psi-external regulator, filter, lubricator incl.
- Basic footprint: 21" depth x 19" width
- Working height: 36.5"
- Worktop usable area: 16" depth x 18.5" width
- Machine height: 38"
- Shipping weight: Approx. 340 lbs
- Shipping dimensions: 22" x 28" x 52"



CSI 1.5D 3 PHASE SCREW INSERTION MACHINE

CSI 1.5D		
PART	MODEL	PRICE
A00055	CSI 1.5D	\$58999.00



Detailed Benefits & Design Feature:

- 1.5 second single operation pocket cutting and screw insertion
- Inserted Screws are below flush – parts can be stacked without marring
- Works with 1-1/4" or 1-1/2" pocket screws
- "Pocket Detect" sensing prevents loaded-pocket cutting errors
- Easy access to carriages for quick tooling changes
- Adjustable router feed rate optimizes quality and cycle time for various materials
- Includes premium solid carbide router bit, drill bit, and dust collection port

Key Components:

- Siemens PLC controls
- LCD status display with cycle counter
- Variable frequency drive
- Teknomotor .44HP 220/380V 18000 RPM drill spindle
- Teknomotor 2.7 HP 230V or 460V 18000 RPM router spindle
- Castle screw delivery system w/vibratory feeder bowl level sensor
- Heavy duty Parker Viking Xtreme Series valves w/manual override

Technical Specifications:

- Electrical: 230V or 460V
- Air: 85 psi with minimum 3/8" ID supply line
- Dust collection: 4" duct port
- REQ CFM: 350 CFM with 4" dust collection
- Footprint: 35" x 33" (35" x 63" incl. Screw Feeder)
- Working Height: 36"
- Machine Height: 72"
- Worktop Area: 33" x 35"
- Shipping Weight: 1085 LBS

OPTIONAL AIR TABLE AVAILABLE call 800-288-7483

Optional air table specifically designed for the CSI 1.5D, for panel/large part processing; runs on 230V or 460V 3 phase and extends the work surface on either side to 59" with customizable work decks and work stops for efficient and accurate material alignment

#2 SQUARE DRIVER BIT



#2 ROBERTSON SQUARE DRIVER BIT B00622

B00622

\$4.75

#2 Robertson Square Driver Bit 6" shank length. Unique two piece design with a hardened tip swaged into a mild steel body with maximum strength and durability. Thousands of pounds of hydraulic swaging ensures each bit is manufactured with maximum strength and durability.

CASTLE ROUTER BITS



PREMIUM CARBIDE ROUTER BIT B00338

B00338

\$68.99

Premium Solid Carbide Router Bit 3/8" 3-flute rough mill cutter. This bit is the ideal choice for all your Castle pocketing needs and comes standard in every Castle pocket cutter. It works well in both hard and soft woods, leaving a clean, splinter free pocket and holds up well when cutting MDF, melamine, laminates and other composites. This bit regularly lasts three to five times longer than other rough mills.

COMPARE CASTLE B00338 to WHITESIDE RU4000H page 206



HIGH SPEED STEEL ROUTER BIT B00438

B00438

\$42.99

High Speed Steel Router Bit 8% Cobalt Steel 3/8" 4-flute roughing mill router bit. For general use in solid woods but also works in particle board, laminates, MDF, acrylic and melamine. The curved cutting edges and shallow helix allow it to shear as it cuts, using less force and producing less heat.

CASTLE LINE BORING BITS



SOLID CARBIDE LINE BORING BIT B03055

B03055

\$29.99

Solid Carbide Line Boring Bit unique to the Castle System Drills. The geometry of the bit itself is engineered to take very small "bites" out of the stock, making it very resistant to chip out. Plus solid carbide construction make it one of the longest lasting bits on the market.

CASTLE DRILL BITS



CASTLE 9/64 PREMIUM PILOT HOLE BIT B02964

B02964

\$14.99

9/64" Premium Pilot Hole Drill Bit Brad & Spur Point 1/4" shank now comes standard with all Castle Pocket Cutters. Its Brad and Spur tip tracks well, while taking aggressive "bites" of wood that keep the bit cooler. Titanium Nitrate (TiN) coating provides a thermal barrier and aids the lubricity of the bit.



CASTLE 9/64 BRAD POINT DRILL BIT B00964

B00964

\$8.99

9/64" Drill Bit Brad & Spur Point 1/4" shank tracks well in all kinds of materials and is suitable for the majority of your pocket cutting needs. This bit is best used with a #7 screw and offers a slip fit for easy screw insertion.



CASTLE 9/64 SPLIT POINT DRILL BIT B01964

B01964

\$8.99

9/64" Drill Bit Split Point 1/4" shank is useful when drilling along an extremely tough grain pattern. This bit is also best used with a #7 screw and offers the same slip fit as the B00964 for easy screw insertion.



CASTLE 3/16 DRILL BIT B00316

B00316

\$8.99

3/16" Drill Bit Split Point 1/4" shank is best used with a #8 screw in softer woods or composites such as melamine. With the #8 screw the 3/16" hole offers a slip fit for easy screw insertion.

CARBON STEEL 7/16-14" SHANK SCREW SHANK DOWEL DRILLS (203)



7/16-14" Shank

203 drills feature outlining spurs and brad points. They are the most commonly used drills for dowel hole boring. Made of the finest carbon tool steel, they are heat treated and precision ground to exacting standards. Round shoulder has pin hole for easy removal from machines.

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
FOREST-62001	3/8"	2"	3-1/2"	RIGHT	\$17.00
FOREST-62003	7/16"	2"	3-1/2"	LEFT	\$18.00
FOREST-62004	3/16"	3"	4-1/2"	RIGHT	\$18.00
FOREST-62006	7/32"	3"	4-1/2"	RIGHT	\$18.00
FOREST-62010	11/32"	3"	4-1/2"	RIGHT	\$18.00
FOREST-62015	29/64"	3"	4-1/2"	RIGHT	\$18.00
FOREST-62017	9/16"	3"	4-1/2"	RIGHT	\$18.00
FOREST-62020	7/8"	3"	4-1/2"	RIGHT	\$27.00
FOREST-62021	1"	3"	4-1/2"	RIGHT	\$27.00
FOREST-62022	1/8"	3"	4-1/2"	LEFT	\$18.00
FOREST-62023	3/16"	3"	4-1/2"	LEFT	\$18.00
FOREST-62024	7/32"	3"	4-1/2"	LEFT	\$18.00
FOREST-62025	1/4"	3"	4-1/2"	LEFT	\$18.00
FOREST-62026	5/16"	3"	4-1/2"	LEFT	\$18.00
FOREST-62027	11/32"	3"	4-1/2"	LEFT	\$18.00
FOREST-62028	3/8"	3"	4-1/2"	LEFT	\$18.00
FOREST-62029	7/16"	3"	4-1/2"	LEFT	\$18.00

M2 HIGH SPEED STEEL 7/16-14" STEEL SCREW SHANK DOWEL V-POINT DRILL BITS (X204) -VP



Taper Head drill point accurately ground to insure fast smooth boring. The shanks of all tools are relatively soft to facilitate removal from chuck in event of breakage. Used where exit hole must be clean.

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
HS204-62095	3/8"	3"	4-1/2"	RIGHT	\$32.52
HS204-62096	7/16"	3"	4-1/2"	RIGHT	\$33.27
HS204-62097	3/8"	3"	4-1/2"	LEFT	\$32.52
FOREST-62098	7/16"	3"	4-1/2"	LEFT	\$31.50
HS204-316	3/16"	3"	4-1/2"	RIGHT	\$33.27
HS204-1732	17/32"	3"	4-1/2"	RIGHT	\$35.87
HS204-2132	21/32"	3"	4-1/2"	RIGHT	\$44.96
HS204-316LH	3/16"	3"	4-1/2"	LEFT	\$33.27

M2 SUPER WEAR HIGH SPEED STEEL 7/16-14" SCREW SHANK DOWEL DRILLS (X203)

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
HS203-62031	1/4"	2"	3-1/2"	RIGHT	\$27.44
HS203-62032	5/16"	2"	3-1/2"	RIGHT	\$27.44
HS203-62033	3/8"	2"	3-1/2"	RIGHT	\$27.53
HS203-62034	7/16"	2"	3-1/2"	RIGHT	\$28.77
HS203-62035	1/2"	2"	3-1/2"	RIGHT	\$28.77
HS203-62004	1/8"	3"	4-1/2"	RIGHT	\$27.11
HS203-62041	3/16"	3"	4-1/2"	RIGHT	\$27.11
HS203-62006	7/32"	3"	4-1/2"	RIGHT	\$27.27
HS203-62042	1/4"	3"	4-1/2"	RIGHT	\$27.44
HS203-62043	9/32"	3"	4-1/2"	RIGHT	\$27.44
HS203-62044	5/16"	3"	4-1/2"	RIGHT	\$27.44
HS203-62045	11/32"	3"	4-1/2"	RIGHT	\$28.28
HS203-62046	3/8"	3"	4-1/2"	RIGHT	\$27.53
HS203-62046-6	3/8"	4-1/4"	6"	RIGHT	\$42.78
HS203-62047	25/64"	3"	4-1/2"	RIGHT	\$29.94
HS203-62048-1	13/32"	3"	4-1/2"	RIGHT	\$29.94
HS203-62048	7/16"	3"	4-1/2"	RIGHT	\$29.94
HS203-62049	29/64"	3"	4-1/2"	RIGHT	\$30.86
HS203-62050-6	31/64"	3"	5"	RIGHT	\$42.53
HS203-62050	1/2"	3"	4-1/2"	RIGHT	\$30.86
HS203-3364	33/64"	3"	4-1/2"	RIGHT	\$37.53
HS203-62013	17/32"	3"	4-1/2"	RIGHT	\$37.53
HS203-62051	9/16"	3"	4-1/2"	RIGHT	\$37.53
HS203-62052	5/8"	3"	4-1/2"	RIGHT	\$40.86
HS203-62053	3/4"	3"	4-1/2"	RIGHT	\$60.05
HS203-62054	7/8"	3"	4-1/2"	RIGHT	\$78.39
HS203-62055	1"	3"	4-1/2"	RIGHT	\$81.74
HS203-62036	1/4"	2"	3-1/2"	LEFT	\$28.77
HS203-62037	5/16"	2"	3-1/2"	LEFT	\$28.77
HS203-62038	3/8"	2"	3-1/2"	LEFT	\$29.19
HS203-62039	7/16"	2"	3-1/2"	LEFT	\$31.61
HS203-62040	1/2"	2"	3-1/2"	LEFT	\$32.52
HS203-62056	3/16"	3"	4-1/2"	LEFT	\$28.77
HS203-62057	1/4"	3"	4-1/2"	LEFT	\$28.77
HS203-62058	9/32"	3"	4-1/2"	LEFT	\$28.77
HS203-62059	5/16"	3"	4-1/2"	LEFT	\$28.77
HS203-62060	11/32"	3"	4-1/2"	LEFT	\$29.94
HS203-62061	3/8"	3"	4-1/2"	LEFT	\$29.19
HS203-62062	25/64"	3"	4-1/2"	LEFT	\$31.61
HS203-62062-1	13/32"	3"	4-1/2"	LEFT	\$31.61
HS203-62063	7/16"	3"	4-1/2"	LEFT	\$31.61
HS203-62064	29/64"	3"	4-1/2"	LEFT	\$32.52
HS203-62065	1/2"	3"	4-1/2"	LEFT	\$32.52
HS203-62066	9/16"	3"	4-1/2"	LEFT	\$39.20
HS203-62067	5/8"	3"	4-1/2"	LEFT	\$42.53
HS203-62068	3/4"	3"	4-1/2"	LEFT	\$60.89
HS203-62069	1"	3"	4-1/2"	LEFT	\$83.31



7/16-14" Shank

X203 drills are identical to the 203 but made with Super Wear Steel, requiring less sharpening to maintain maximum production. The threaded shanks are treated specially for greater reliability.

DRILLS (X203B) COUNTERBORES (X121) COMSURGE/FOREST CITY

M2 HIGH SPEED STEEL SUPER WEAR 7/16-14" SHANK STEEL SCREW DOWEL DRILLS (X203B)



7/16-14" Shank

The X203B is designed primarily for the Bell 24 Double End Miter and Boring Machine. These tools can be used on any other boring machine where "Run-Out" has become a problem. The extended shaft insures rigidity especially on small diameter tools.

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
HS203B-62070	3/16"	1-3/4"	4-1/2"	RIGHT	\$29.19
HS203B-62071	1/4"	1-3/4"	4-1/2"	RIGHT	\$30.60
HS203B-62073	3/8"	1-3/4"	4-1/2"	RIGHT	\$29.19
FOREST-62074	25/64"	1-3/4"	4-1/2"	RIGHT	\$30.00
HS203B-62075	7/16"	1-3/4"	4-1/2"	RIGHT	\$31.61
FOREST-62076	1/2"	1-3/4"	4-1/2"	RIGHT	\$31.50
FOREST-62077	3/16"	1-3/4"	4-1/2"	LEFT	\$28.50
FOREST-62078	1/4"	1-3/4"	4-1/2"	LEFT	\$30.00
FOREST-62079	5/16"	1-3/4"	4-1/2"	LEFT	\$31.50
HS203B-62080	3/8"	1-3/4"	4-1/2"	LEFT	\$30.86
FOREST-62081	25/64"	1-3/4"	4-1/2"	LEFT	\$30.00
FOREST-62082	7/16"	1-3/4"	4-1/2"	LEFT	\$31.50
FOREST-62083	1/2"	1-3/4"	4-1/2"	LEFT	\$33.00

M2 SUPER WEAR HIGH SPEED STEEL ADJUSTABLE COUNTERBORES WITH 7/16-14" THREADED SHANKS (X121)



7/16-14" Threaded Shank

The X121 is designed for Root, Bell, etc. requiring tools with threaded shanks. For flat bottomed holes. Use right or left hand part number for X124D or X124B straight shank drills.

PART	OUTSIDE DIA	INSIDE DIA	TWIST LGTH	OAL	ROTATION	PRICE
HS121-62249	3/8"	3/16"	2-1/2"	4-1/2"	RIGHT	\$42.78
HS121-716	7/16"	3/16"	2-1/2"	4-1/2"	RIGHT	\$42.78
HS121-62250	1/2"	3/16"	2-1/2"	4-1/2"	RIGHT	\$42.78
HS121-62251	1/2"	7/32"	2-1/2"	4-1/2"	RIGHT	\$42.78
HS121-62252	1/2"	1/4"	2-1/2"	4-1/2"	RIGHT	\$42.78
HS121-62253	3/8"	3/16"	2-1/2"	4-1/2"	LEFT	\$44.45
HS121-62254	1/2"	3/16"	2-1/2"	4-1/2"	LEFT	\$44.45
HS121-62255	1/2"	7/32"	2-1/2"	4-1/2"	LEFT	\$44.45
HS121-62256	1/2"	1/4"	2-1/2"	4-1/2"	LEFT	\$44.45

CARBIDE TIPPED STEEL 7/16-14" SHANK DOWEL DRILLS (203CT)



7/16-14" Shank

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
HS203CT-62099	1/4"	2"	3-1/2"	RIGHT	\$61.71
HS203CT-62100	5/16"	2"	3-1/2"	RIGHT	\$68.39
HS203CT-62101	3/8"	2"	3-1/2"	RIGHT	\$73.40
HS203CT-62102	7/16"	2"	3-1/2"	RIGHT	\$78.39
HS203CT-62103	1/4"	3"	4-1/2"	RIGHT	\$75.06
HS203CT-1764	17/64"	3"	4-1/2"	RIGHT	\$91.74
HS203CT-62104	5/16"	3"	4-1/2"	RIGHT	\$75.06
HS203CT-62105	3/8"	3"	4-1/2"	RIGHT	\$78.39
HS203CT-62106	25/64"	3"	4-1/2"	RIGHT	\$80.06
HS203CT-62107	7/16"	3"	4-1/2"	RIGHT	\$81.74
HS203CT-62108	1/2"	3"	4-1/2"	RIGHT	\$81.74
HS203CT-58RH	5/8"	3"	4-1/2"	RIGHT	\$110.09
HS203CT-875	7/8"	3"	4-1/2"	RIGHT	\$115.08
HS203CT-1516	15/16"	3"	4-1/2"	RIGHT	\$115.08
HS203CT-1516E	15/16"	3"	6"	RIGHT	\$118.43
HS203CT-62119ES	1"	4-1/2"	5-15/16"	RIGHT	\$120.09
HS203CT-62119E	1"	4-1/2"	6"	RIGHT	\$120.09
HS203CT-62120	1"	4-1/5"	5-3/4"	RIGHT	\$120.09
HS203CT-62121	1"	4"	5-1/2"	RIGHT	\$120.09
HS203CT-62109	1/4"	3"	4-1/2"	LEFT	\$78.39
HS203CT-62110	5/16"	3"	4-1/2"	LEFT	\$80.06
HS203CT-62111	3/8"	3"	4-1/2"	LEFT	\$85.07
HS203CT-62112	25/64"	3"	4-1/2"	LEFT	\$88.40
HS203CT-62113	7/16"	3"	4-1/2"	LEFT	\$90.06
HS203CT-62114	1/2"	3"	4-1/2"	LEFT	\$90.06
HS203CT-58LH	5/8"	3"	4-1/2"	LEFT	\$113.42
FOREST-62528	6MM	3"	4-1/2"	RIGHT	\$78.00
FOREST-62529	6MM	3"	4-1/2"	LEFT	\$78.00
FOREST-62530	8MM	3"	4-1/2"	RIGHT	\$81.00
FOREST-62531	8MM	3"	4-1/2"	LEFT	\$81.00
FOREST-62533	10MM	3"	4-1/2"	LEFT	\$90.00

CARBIDE TIPPED 1/2" X 2" SHANK BRAD POINT SPUR MACHINE DRILL BITS (200CT)



1/2" Shank

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
HS200CT-62189	1/4"	3"	5"	RIGHT	\$75.06
HS200CT-62190	5/16"	3"	5"	RIGHT	\$75.06
HS200CT-62191	3/8"	3"	5"	RIGHT	\$78.39
HS200CT-62192	7/16"	3"	5"	RIGHT	\$80.06
HS200CT-62193	1/2"	3"	5"	RIGHT	\$81.74
HS200CT-62194	5/8"	3"	5"	RIGHT	\$98.40
HS200CT-62195	3/4"	3"	5"	RIGHT	\$115.08
HS200CT-62196	1/4"	4"	6"	RIGHT	\$75.06
HS200CT-62197	5/16"	4"	6"	RIGHT	\$75.06
HS200CT-62198	3/8"	4"	6"	RIGHT	\$78.39
HS200CT-62199	7/16"	4"	6"	RIGHT	\$80.06
HS200CT-62146	29/64"	4"	6"	RIGHT	\$81.74
HS200CT-62200	1/2"	4"	6"	RIGHT	\$81.74
HS200CT-62201	5/8"	4"	6"	RIGHT	\$98.40
HS200CT-62202	3/4"	4"	6"	RIGHT	\$115.08
HS200CT-875	7/8"	4"	6"	RIGHT	\$115.08
HS200CT-1516	15/16"	4"	6"	RIGHT	\$115.08
HS200CT-62188	1"	4"	6"	RIGHT	\$120.09
HS200CT-62188-L	1"	4"	8-1/4"	RIGHT	\$125.10
HS200CT-62188WF	1"	4"	6"	RIGHT	\$120.09

M2 SUPER WEAR HIGH SPEED STEEL V-POINT ADJUSTABLE COUNTERSINKS WITH 7/16-14" THREADED SHANKS (X121V)



7/16-14" Threaded Shank

Designed for Root, Bell, and similar boring machines requiring tools with threaded shanks. For seating flat head screws. Use with high speed steel centerdrills. Note: Centerdrills not included with counterbores and countersinks.

PART	OUTSIDE DIA	INSIDE DIA	TWIST LGTH	OAL	ROTATION	PRICE
HS121V-62257	3/8"	3/16"	2-1/2"	4-1/2"	RIGHT	\$45.87
HS121V-62258	1/2"	3/16"	2-1/2"	4-1/2"	RIGHT	\$45.87
FOREST-62259	3/8"	3/16"	2-1/2"	4-1/2"	LEFT	\$45.00
FOREST-62260	1/2"	3/16"	2-1/2"	4-1/2"	LEFT	\$45.00

COMSURGE/FOREST CITY DOUBLE SPUR MACHINE (150) (107)

SCREW POINT DOUBLE SPUR MACHINE BITS (150)



1/2" Shank Diameter and 2-1/4" Shank Length

Same tool as 107 with medium pitch screw point

PART	DIA	TWIST LGTH	OAL	PRICE
FOREST-62655	3/8"	4"	6-1/4"	\$42.00
FOREST-62656	7/16"	4"	6-1/4"	\$42.00
FOREST-62657	1/2"	4"	6-1/4"	\$42.00
FOREST-62658	5/8"	4"	6-1/4"	\$50.00
FOREST-62659	3/4"	4"	6-1/4"	\$63.00
FOREST-62660	7/8"	4"	6-1/4"	\$63.00
FOREST-62661	1"	4"	6-1/4"	\$63.00
FOREST-62663	3/8"	6"	8-1/4"	\$42.00
FOREST-62664	7/16"	6"	8-1/4"	\$42.00
FOREST-62665	1/2"	6"	8-1/4"	\$42.00
FOREST-62666	9/16"	6"	8-1/4"	\$51.00
FOREST-62667	5/8"	6"	8-1/4"	\$53.00
FOREST-62668	11/16"	6"	8-1/4"	\$59.00
FOREST-62669	3/4"	6"	8-1/4"	\$65.00
FOREST-62670	13/16"	6"	8-1/4"	\$71.00
FOREST-62671	7/8"	6"	8-1/4"	\$71.00
FOREST-62672	15/16"	6"	8-1/4"	\$76.00
FOREST-62673	1"	6"	8-1/4"	\$78.00

BRAD POINT DOUBLE SPUR MACHINE BITS (107)



1/2" Shank Diameter and 2-1/4" Shank Length

The 107 bits have two outlining spurs, supported by side lips, for cutting smooth holes in soft or hard woods, cross, or end grain. Brad Point allow fingertip control while boring.

PART	DIA	TWIST LGTH	OAL	PRICE
FOREST-62627	3/8"	4"	6-1/4"	\$55.00
FOREST-62635	3/8"	6"	8-1/4"	\$56.00
FOREST-62636	7/16"	6"	8-1/4"	\$56.00
FOREST-62643	7/8"	6"	8-1/4"	\$68.00
FOREST-62645	1"	6"	8-1/4"	\$81.00

1/2" X 2" SHANK CARBON STEEL BRAD POINT SPUR MACHINE DRILLS (200)



1/2" Shank

The 200 is widely used for cross-grain boring and other work requiring smooth, accurate holes. Head, twist, and shank are ground after hardening for accuracy. Two outlining spurs cut in advance of the chip lifter.

PART	DIA	TWIST LGTH	OAL	PRICE
FOREST-62115	1/8"	3"	5"	\$12.00
FOREST-62116	5/32"	3"	5"	\$12.00
FOREST-62117	3/16"	3"	5"	\$12.00
FOREST-62118	7/32"	3"	5"	\$12.00
FOREST-62119	1/4"	3"	5"	\$12.00
FOREST-62120	17/64"	3"	5"	\$14.00
FOREST-62121	9/32"	3"	5"	\$14.00
FOREST-62123	11/32"	3"	5"	\$14.00
FOREST-62125	25/64"	3"	5"	\$14.00
FOREST-62127	7/16"	3"	5"	\$14.00
FOREST-62128	15/32"	3"	5"	\$14.00
FOREST-62130	5/8"	3"	5"	\$17.00
FOREST-62131	3/4"	3"	5"	\$17.00
FOREST-62132	1/8"	4"	6"	\$13.00
FOREST-62133	5/32"	4"	6"	\$13.00
FOREST-62134	3/16"	4"	6"	\$13.00
FOREST-62135	7/32"	4"	6"	\$13.00
FOREST-62137	17/64"	4"	6"	\$13.00
FOREST-62138	9/32"	4"	6"	\$13.00
FOREST-62140	5/16"	4"	6"	\$13.00
FOREST-62141	11/32"	4"	6"	\$13.00
FOREST-62143	25/64"	4"	6"	\$14.00
FOREST-62145	7/16"	4"	6"	\$14.00
FOREST-62146	29/64"	4"	6"	\$14.00
FOREST-62147	15/32"	4"	6"	\$14.00
FOREST-62150	9/16"	4"	6"	\$14.00
FOREST-62151	19/32"	4"	6"	\$14.00
FOREST-62154	11/16"	4"	6"	\$15.00
FOREST-62156	25/32"	4"	6"	\$16.00
FOREST-62157	13/16"	4"	6"	\$22.00
FOREST-62161	1-1/16"	4"	6"	\$36.00
FOREST-62162	1-1/8"	4"	6"	\$37.00
FOREST-62163	1-1/4"	4"	6"	\$43.00

COMSURGE/FOREST CITYSPUR MACHINE (X200) COUNTERSINKS (124)

1/2" X 2" SHANK CARBON STEEL BRAD POINT SPUR MACHINE DRILLS (X200)



1/2" Shank

The X200 is the same as 200 Drills except made of Super Wear Steel for added drill life in tough applications. Twist is specially ground to give maximum chip clearance.

PART	DIA	TWIST LGTH	OAL	PRICE
FOREST-62164	3/16"	3"	5"	\$45.00
FOREST-62165	1/4"	3"	5"	\$45.00
FOREST-62166	9/32"	3"	5"	\$45.00
HS200-62167	5/16"	3"	5"	\$50.67
FOREST-62168	11/32"	3"	5"	\$50.67
FOREST-62169	3/8"	3"	5"	\$50.67
FOREST-62170	7/16"	3"	5"	\$50.67
FOREST-62171	1/2"	3"	5"	\$50.67
FOREST-62172	1/4"	4"	6"	\$47.25
FOREST-62173	9/32"	4"	6"	\$47.25
FOREST-62174	5/16"	4"	6"	\$47.25
FOREST-62175	11/32"	4"	6"	\$47.25
FOREST-62176	3/8"	4"	6"	\$47.25
FOREST-62178	7/16"	4"	6"	\$47.25
FOREST-62179	1/2"	4"	6"	\$47.25
HS200-62180	17/32"	4"	6"	\$73.80
HS200-62181	9/16"	4"	6"	\$73.80
HS200-62182	5/8"	4"	6"	\$75.69
FOREST-62183	11/16"	4"	6"	\$76.50
FOREST-62184	3/4"	4"	6"	\$78.75
FOREST-62185	13/16"	4"	6"	\$78.75
FOREST-62186	7/8"	4"	6"	\$78.75
HSS200-62187	15/16"	4"	6"	\$132.48
FOREST-62188	1"	4"	6"	\$146.25

1/2" X 2" SHANK CARBON STEEL ADJUSTABLE COUNTERSINKS (124)

PART	COUNTERSINK	DRILL	OAL	PRICE
FOREST-62319	3/8"	3/16"	3"	\$20.00
FOREST-62320	1/2"	3/32"	3"	\$20.00
FOREST-62321	1/2"	1/8"	3"	\$20.00
FOREST-62322	1/2"	5/32"	3"	\$20.00
FOREST-62323	1/2"	3/16"	3"	\$20.00
FOREST-62324	1/2"	7/32"	3"	\$20.00
FOREST-62325	1/2"	1/4"	3"	\$20.00

M2 SUPER WEAR HIGH SPEED STEEL 7/16-14" SCREW SHANK DOWEL V-POINT DRILL BITS (X203J) -VP



7/16-14" Threaded Shank

Designed for use in J.S. Richardson Boring Machines, but can also be used in Root, Bell, Greenlee, and other machines using threaded spindles. Short length reduces run-out at tip of bit.

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
FOREST-62084	1/8"	1-1/2"	2-3/4"	RIGHT	\$28.50
FOREST-62085	3/16"	1-1/2"	2-3/4"	RIGHT	\$28.50
FOREST-62087	1/4"	1-1/2"	2-3/4"	RIGHT	\$30.00
FOREST-62088	5/16"	1-1/2"	2-3/4"	RIGHT	\$31.50
HS203J-62089	3/8"	1-1/2"	2-3/4"	RIGHT	\$32.52
HS203J-62090	7/16"	1-1/2"	2-3/4"	RIGHT	\$33.27
FOREST-62091	1/2"	1-1/2"	2-3/4"	RIGHT	\$34.50
HS203J-62092	1/4"	1-1/2"	2-3/4"	LEFT	\$33.27
FOREST-62093	3/8"	1-1/2"	2-3/4"	LEFT	\$31.50
FOREST-62092	7/16"	1-1/2"	2-3/4"	LEFT	\$33.00

M2 SUPER WEAR HIGH SPEED STEEL 1/2" X 2" ADJUSTABLE COUNTERBORES (X122)



Bores smooth, flat-bottomed holes. Double-fluted twist with wide channels for easy chip clearance. Held by split shank and set screw. Use with Drill X122D & X122B. Center drills not included.

PART	OUTSIDE DIA	INSIDE DIA	TWIST LGTH	OAL	ROTATION	PRICE
HS122-62261	3/8"	1/8"	2-1/2"	4-1/2"	RIGHT	\$36.62
HS122-62262	3/8"	5/32"	2-1/2"	4-1/2"	RIGHT	\$36.62
HS122-62263	3/8"	3/16"	2-1/2"	4-1/2"	RIGHT	\$36.62
HS122-62263LH	3/8"	3/16"	2-1/2"	4-1/2"	LEFT	\$38.28
HS122-62264	7/16"	3/16"	2-1/2"	4-1/2"	RIGHT	\$36.62
HS122-62265	7/16"	7/32"	2-1/2"	4-1/2"	RIGHT	\$36.62
FOREST-62266	1/2"	1/8"	2-1/2"	4-1/2"	RIGHT	\$36.00
HS122-62268	1/2"	3/16"	2-1/2"	4-1/2"	RIGHT	\$36.62
HS122-62269	1/2"	7/32"	2-1/2"	4-1/2"	RIGHT	\$36.62
HS122-62270	1/2"	1/4"	2-1/2"	4-1/2"	RIGHT	\$36.62
FOREST-62271	9/16"	3/16"	2-1/2"	4-1/2"	RIGHT	\$51.00
HS122-62273	5/8"	3/16"	2-1/2"	4-1/2"	RIGHT	\$54.95
HS122-62274	5/8"	1/4"	2-1/2"	4-1/2"	RIGHT	\$54.96
FOREST-62275	5/8"	9/32"	2-1/2"	4-1/2"	RIGHT	\$51.00
HS122-62276	5/8"	5/16"	2-1/2"	4-1/2"	RIGHT	\$56.63
HS122-62277	3/4"	3/16"	2-1/2"	4-1/2"	RIGHT	\$59.96
FOREST-62278	3/4"	1/4"	2-1/2"	4-1/2"	RIGHT	\$58.50
FOREST-62279	3/4"	9/32"	2-1/2"	4-1/2"	RIGHT	\$58.50
HS122-62280	3/4"	5/16"	2-1/2"	4-1/2"	RIGHT	\$59.96
HS122-62281	3/4"	3/8"	2-1/2"	4-1/2"	RIGHT	\$59.96

COMSURGE/FOREST CITY COUNTERBORES (X123) (123CT)

M2 SUPER WEAR HIGH SPEED STEEL ADJUSTABLE COUNTERBORES (X123)



Extension-lip head bores smooth, flat-bottomed holes. Set screws hold counterbore. Used in portable drills for ability to chuck up on smaller primary drill or center drills. Use with drill numbers X122D or 200 series. Center drills not included.

PART	OUTSIDE DIA	INSIDE DIA	OAL	PRICE
HS123-62301	3/8"	3/16"	1-1/2"	\$29.94
FOREST-62302	1/2"	3/16"	1-1/2"	\$28.50
FOREST-62303	1/2"	7/32"	1-1/2"	\$28.50
HS123-62304	1/2"	1/4"	1-1/2"	\$33.27
FOREST-62305	5/8"	1/4"	2"	\$33.00
FOREST-62306	5/8"	5/16"	2"	\$33.00
HS123-62307	3/4"	1/4"	2"	\$43.79
HS123-62308	3/4"	5/16"	2"	\$43.79
HS123-62309	7/8"	5/16"	2"	\$46.29
HS123-62310	7/8"	3/8"	2"	\$46.70
HS123-62311	7/8"	7/16"	2"	\$46.70
HS123-62312	1"	5/16"	2"	\$52.55
HS123-62313	1"	3/8"	2"	\$52.55
HS123-62313-716	1"	7/16"	2"	\$52.55
HS123-62314	1"	1/2"	2"	\$52.55
HS123-62316	1-1/4"	1/2"	2"	\$77.57
HS123-62318	1-1/2"	1/2"	2"	\$83.31

CARBIDE TIPPED ADJUSTABLE COUNTERBORES (123CT)



PART	OUTSIDE DIA	INSIDE DIA	OAL	PRICE
HS123CT-62312	1"	5/16"	2"	\$61.71
HS123CT-62312-1	1"	3/16"	2"	\$58.38
HS123CT-62313	1"	3/8"	2"	\$65.19
HS123CT-62312-2	1"	7/16"	2"	\$65.04

1/2" X 2" CARBIDE-TIPPED ADJUSTABLE COUNTERBORES (122CT)



2-1/2" Twist Length and 4-1/2" Overall Length

Bores smooth, flat-bottomed holes. Double-fluted twist with wide channels for easy chip clearance. Drill is held by split shank and set screw. Carbide-tipped for longer life in particle boards, fiber boards, and plastics. Use with drill numbers X122D and X122B. Center drills not included.

PART	OUTSIDE DIA	INSIDE DIA	TWIST LGTH	OAL	ROTATION	PRICE
HS122CT-62292	3/8"	3/16"	2-1/2"	4-1/2"	RIGHT	\$54.95
HS122CT-62293	1/2"	3/16"	2-1/2"	4-1/2"	RIGHT	\$54.95
FOREST-62294	1/2"	7/32"	2-1/2"	4-1/2"	RIGHT	\$54.00

1/2" X 2" CARBIDE-TIPPED ADJUSTABLE COUNTERSINKS (122VCT)



2-1/2" Twist Length and 4-1/2" Overall Length

Designed for seating flat head screw. Double-fluted twist with wide channels for easy chip clearance. Drill is held by split shank and set screw. Carbide-tipped for longer life in particle board, fiber board, and plastics. Use with drill numbers X122D and X122B.

PART	OUTSIDE DIA	INSIDE DIA	TWIST LGTH	OAL	ROTATION	PRICE
HS122VCT-62297	1/2"	3/16"	2-1/2"	4-1/2"	RIGHT	\$54.95
FOREST-62298	1/2"	7/32"	2-1/2"	4-1/2"	RIGHT	\$54.00
FOREST-62299	1/2"	1/4"	2-1/2"	4-1/2"	RIGHT	\$54.00

1/2" X 2" M2 SUPER WEAR HIGH SPEED STEEL ADJUSTABLE COUNTERSINKS (122V)



2-1/2" Twist Length and 4-1/2" Overall Length

Designed for seating flat head screws. Double-fluted twist with wide channels for easy chip clearances. Drill is held by split and set screw. Use with Drill Numbers X122D and X122B. Center drills not included.

PART	OUTSIDE DIA	INSIDE DIA	TWIST LGTH	OAL	ROTATION	PRICE
HS122V-62282	3/8"	1/8"	2-1/2"	4-1/2"	RIGHT	\$36.62
HS122V-62283	3/8"	5/32"	2-1/2"	4-1/2"	RIGHT	\$36.62
HS122V-62284	3/8"	3/16"	2-1/2"	4-1/2"	RIGHT	\$36.62
FOREST-62285	7/16"	3/16"	2-1/2"	4-1/2"	RIGHT	\$36.00
HS122V-62286	7/16"	7/32"	2-1/2"	4-1/2"	RIGHT	\$36.62
FOREST-62287	1/2"	1/8"	2-1/2"	4-1/2"	RIGHT	\$36.00
FOREST-62288	1/2"	5/32"	2-1/2"	4-1/2"	RIGHT	\$36.00
HS122V-62289	1/2"	3/16"	2-1/2"	4-1/2"	RIGHT	\$36.62
HS122V-62290	1/2"	7/32"	2-1/2"	4-1/2"	RIGHT	\$36.62
HS122V-62291	1/2"	1/4"	2-1/2"	4-1/2"	RIGHT	\$36.62

COMSURGE/FOREST CITY BRAD POINT (X122B) (X122B8) (122C)

M2 SUPER WEAR HIGH SPEED STEEL STRAIGHT SHANK BRAD POINT DRILLS (X122B)



For use with all types of adjustable counterbores and countersinks or straight boring jobs. Two outlining spurs and brad point produce accurate holes. High-speed steel for extra tool life.

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
HS122B-62385	1/8"	2-1/4"	6"	RIGHT	\$11.60
HS122B-62386	5/32"	2-1/4"	6"	RIGHT	\$12.09
HS122B-62387	3/16"	2-1/4"	6"	RIGHT	\$11.60
HS122B-62388	7/32"	2-1/4"	6"	RIGHT	\$13.26
HS122B-62389	1/4"	2-1/4"	6"	RIGHT	\$13.26
HS122B-62392	5/16"	2-1/4"	6"	RIGHT	\$13.76
HS122B-62393	3/8"	2-1/4"	6"	RIGHT	\$14.93
HS122B-62393LH	3/8"	2-1/4"	6"	LEFT	\$36.62
HS122B-62394	3/16"	2-1/4"	6"	LEFT	\$15.84
HS122B-62395	7/32"	2-1/4"	6"	LEFT	\$16.59
HS122B-62396	1/4"	2-1/4"	6"	LEFT	\$24.18

M2 SUPER WEAR HIGH SPEED STEEL STRAIGHT SHANK BRAD POINT DRILLS (X122B8)



3-1/2" Twist Length and 8" Overall Length

For counterboring in table aprons.

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
HS122B8-62382	3/16"	3-1/2"	8"	RIGHT	\$9.93
HS122B8-62383	3/16"	3-1/2"	8"	RIGHT	\$12.51
HS122B8-62384	3/16"	3-1/2"	8"	RIGHT	\$11.60

1/4" X 4-1/2" M2 SUPER WEAR HIGH SPEED STEEL BRAD POINT CENTER DRILLS (122C)



1-1/2" Twist Length and 6" Overall Length

Used with countersinks and counterbores with 1/4" hole. Works well in applications where countersink and center drill diameters are too close for a standard configuration center drill.

PART	DIA INCH	CUT LGTH	OAL	SHANK	PRICE
HS122C-62469	5/16"	1-1/2"	6"	1/4"	\$28.28
HS122C-62470	3/8"	1-1/2"	6"	1/4"	\$33.27
HS122C-62471	7/16"	1-1/2"	6"	1/4"	\$36.62
HS122C-62472	1/2"	1-1/2"	6"	1/4"	\$37.53

M2 SUPER WEAR HIGH SPEED STEEL STRAIGHT SHANK V-POINT DRILLS (X122D)



For use with countersinks and counterbores.

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
HS122D-62426	3/32"	2-1/4"	6"	RIGHT	\$16.59
HS122D-62427	1/8"	2-1/4"	6"	RIGHT	\$11.60
HS122D-62428	5/32"	2-1/4"	6"	RIGHT	\$18.27
HS122D-62430	3/16"	2-1/4"	6"	RIGHT	\$11.06
HS122D-62431	7/32"	2-1/4"	6"	RIGHT	\$13.26
HS122D-62432	1/4"	2-1/4"	6"	RIGHT	\$13.26
HS122D-62433	9/32"	2-1/4"	6"	RIGHT	\$24.18
HS122D-62434	5/16"	2-1/4"	6"	RIGHT	\$27.77
HS122D-62416	11/32"	2-1/4"	6"	RIGHT	\$28.77
HS122D-62435	3/8"	2-1/4"	6"	RIGHT	\$32.94

M2 SUPER WEAR HIGH SPEED STEEL STRAIGHT SHANK CENTER DRILLS (X122D8)



3-1/2" Twist Length and 8" Overall Length

Shank is same diameter as drill. For use with countersinks and counterbores.

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
FOREST-62423	3/16"	3-1/2"	8"	RIGHT	\$31.50
FOREST-62424	7/32"	3-1/2"	8"	RIGHT	\$31.50
HS122D8-62425	1/4"	3-1/2"	8"	RIGHT	\$32.28

M2 SUPER WEAR HIGH SPEED STEEL STRAIGHT SHANK CENTER DRILLS (X122D7)

3-1/2" Twist Length and 7" Overall Length

Shank is same diameter as drill. For use with countersinks and counterbores.

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
FOREST-62421	3/16"	3-1/2"	7"	RIGHT	\$9.00
FOREST-62422	7/32"	3-1/2"	7"	RIGHT	\$9.00

M2 SUPER WEAR STRAIGHT SHANK BRAD POINT CENTER DRILLS (X124B)



2-1/4" Twist Length & 4-1/2" Overall Length

PART	DIA INCH	TWIST LGTH	OAL	ROTATION	PRICE
HS124B-62402	1/8"	2-1/4"	4-1/2"	RIGHT	\$11.60
HS124B-62403	5/32"	2-1/4"	4-1/2"	RIGHT	\$12.11
HS124B-62404	3/16"	2-1/4"	4-1/2"	RIGHT	\$11.60
HS124B-62405	7/32"	2-1/4"	4-1/2"	RIGHT	\$13.26
HS124B-62406	1/4"	2-1/4"	4-1/2"	RIGHT	\$13.26
HS124B-38R	3/8"	2-1/4"	4-1/2"	RIGHT	\$17.42
HS124B-62452-1	9/64"	1"	2-3/4"	RIGHT	\$11.60

COMSURGE/FOREST CITY COUNTERSINKS (125) (125CT) (CS)

M2 SUPER WEAR HIGH SPEED STEEL ADJUSTABLE COUNTERSINKS (125)



1-1/2" Overall Length

Beveled head countersinks for flat-head wood screws. Socket set screw holds countersink firmly in place. Used primarily in portable drills. Use with drill numbers X124D & X124B or 200 series drills.

PART	COUNTERSINK	DRILL	OAL	ROTATION	PRICE
HS125-62326	3/8"	3/16"	1-1/2"	RIGHT	\$29.19
FOREST-62328	1/2"	9/64"	1-1/2"	RIGHT	\$28.50
HS125-62331	1/2"	3/16"	1-1/2"	RIGHT	\$29.19
HS125-62332	1/2"	7/32"	1-1/2"	RIGHT	\$29.19
HS125-62333	1/2"	1/4"	1-1/2"	RIGHT	\$29.19
FOREST-62334	5/8"	1/4"	1-1/2"	RIGHT	\$28.50
FOREST-62335	5/8"	5/16"	1-1/2"	RIGHT	\$28.50
FOREST-62336	3/4"	5/16"	1-1/2"	RIGHT	\$28.50
FOREST-62337	3/4"	3/8"	1-1/2"	RIGHT	\$28.50

M2 SUPER WEAR CARBIDE TIPPED ADJUSTABLE COUNTERSINKS (125CT)



1/2" Countersink Size and 1-1/2" Overall Length

Beveled head countersinks for flat-head wood screws. Socket set screw holds countersink firmly in place. Designed for use primarily in portable drills. Use with drill numbers X124D & X124B or 200 series drills.

PART	COUNTERSINK	DRILL	OAL	ROTATION	PRICE
HS125CT-62338	1/2"	3/16"	1-3/8"	RIGHT	\$49.97
HS125CT-62339	1/2"	7/32"	1-1/2"	RIGHT	\$49.97
HS125CT-62340	1/2"	1/4"	2"	RIGHT	\$49.97
HS125CT-62341	1/2"	1/8"	1-3/8"	RIGHT	\$49.97

CARBIDE TIPPED COUNTERSINKS FOR WOOD SCREWS/2-WINGS (CS)



PART	OUTSIDE DIA	INSIDE DIA	SHANK	OAL	PRICE
CS-55200	11/32"	3/32"	5/16"	2-1/4"	\$11.60
CS-55202	3/8"	1/8"	5/16"	2-9/16"	\$12.51
CS-55205	1/2"	1/8"	5/16"	2-9/16"	\$32.54
CS-55211	1/2"	3/16"	3/8"	3"	\$32.54
CS-55215	1/2"	1/4"	3/8"	3"	\$32.54

HIGH SPEED STEEL MULTI-SPUR MACHINE BITS (149)



1/2" Shank Diameter and 6" Overall Length

Works well across or with the grain. Excellent for boring overlapping holes or on close centers. Careful heat-treating assures tough, uniformly hard cutting edges. Precision made and finished meaning uniform quality in every Multi-Spur. Brad point design for positive centering.

NOTE: 3-1/8", 3-1/4", 3-3/4" and 4" bits available with 1/2" shanks for light duty applications that do not overstress the shank. 1/2" shanks in these larger diameter bits are not recommended for medium or heavy duty applications. Bits 2-1/4" through 3" furnished with 2-1/4" long reinforced shaft and 1/2" x 2-3/4" shank.

PART	DIA	SHANK	OAL	PRICE
FOREST-62736	1/2"	1/2"	6"	\$49.50
FOREST-62737	9/16"	1/2"	6"	\$49.50
HS149-62738	5/8"	1/2"	6"	\$49.50
FOREST-62741	13/16"	1/2"	6"	\$49.50
HS149-62744	1"	1/2"	6"	\$51.27
HS149-62746	1-1/8"	1/2"	6"	\$61.88
FOREST-62747	1-3/16"	1/2"	6"	\$61.50
FOREST-62749	1-5/16"	1/2"	6"	\$61.50
FOREST-62750	1-3/8"	1/2"	6"	\$61.50
FOREST-62751	1-7/16"	1/2"	6"	\$61.50
HS149-62752	1-1/2"	1/2"	6"	\$64.92
FOREST-62760	2"	1/2"	6"	\$64.50
HS149-62761	2-1/8"	1/2"	6"	\$68.96
HS149-62762	2-1/4"	1/2"	6"	\$93.71
HS149-62763	2-3/8"	1/2"	6"	\$100.77
HS149-62764	2-1/2"	1/2"	6"	\$104.31
HS149-62765	2-5/8"	1/2"	6"	\$109.62
HS149-62766	2-3/4"	1/2"	6"	\$120.23
HS149-62767	2-7/8"	1/2"	6"	\$127.29
HS149-62768	3"	1/2"	6"	\$132.60
HS149-62774	3-1/8"	1/2"	6"	\$150.29
HS149-62775	3-1/4"	1/2"	6"	\$157.35
HS149-62776	3-1/2"	1/2"	6"	\$175.04
HS149-62777	3-3/4"	1/2"	6"	\$192.71
HS149-62778	4"	1/2"	6"	\$245.75

COMSURGE/FOREST CITYMULTI-SPUR (149CT) - COUNTERBORES (120)

CARBIDE TIPPED MULTI SPUR MACHINE BITS (149CT)



6" Nominal Overall Length

Furnished with Carbide Tips on every other tooth. NOTE: 3-1/8", 3-1/4", 3-3/4" and 4" bits available with 1/2" shanks for light duty applications that do not overstress the shank. 1/2" shanks in these larger diameter bits are not recommended for medium or heavy duty applications. Bits 2-1/4" through 3" furnished with 2-1/4" long reinforced shaft and 1/2" x 2-3/4" shank. 3-1/8" and larger will have 2 chiplifters and replaceable points.

PART	DIA	SHANK	OAL	PRICE
HS149CT-62779	3/4"	1/2"	6"	\$175.04
HS149CT-62782	1"	1/2"	6"	\$192.71
FOREST-62784	1-1/8"	1/2"	6"	\$192.00
FOREST-62788	1-3/8"	1/2"	6"	\$192.00
FOREST-62789	1-7/16"	1/2"	6"	\$192.00
HS149CT-62790	1-1/2"	1/2"	6"	\$203.33
FOREST-62791	1-9/16"	1/2"	6"	\$202.50
FOREST-62794	1-7/8"	1/2"	6"	\$202.50
HS149CT-62796	2-1/8"	1/2"	6"	\$221.00
FOREST-62817	3-1/4"	3/4"	6"	\$327.00
FOREST-62821	3-1/4"	1/2"	6"	\$327.00
FOREST-62822	3-1/2"	1/2"	6"	\$400.50
FOREST-62823	3-3/4"	1/2"	6"	\$598.50

M2 HIGH SPEED STEEL MULTI-SPUR COUNTERBORES (120)



An adjustable counterbore cutter designed to fit any drill or bit 1/2" diameter or large. Cutter is held firmly in place with set screw on 1/2" diameter shank. Drill bit not included.

PART	OUTSIDE DIA	BORE	PRICE
HS120-62344	1"	1/2"	\$91.74
HS120-62345	1-1/8"	1/2"	\$91.74
HS120-62346	1-1/4"	1/2"	\$91.74
HS120-62347	1-3/8"	1/2"	\$91.74
HS120-62348	1-1/2"	1/2"	\$96.73
HS120-62349	1-5/8"	1/2"	\$96.73
HS120-62350	1-3/4"	1/2"	\$96.73
HS120-62351	1-7/8"	1/2"	\$96.73
HS120-62352	2"	1/2"	\$96.73
HS120-62353	2-1/8"	1/2"	\$103.41
HS120-62354	2-1/4"	1/2"	\$108.42
HS120-62355	2-1/2"	1/2"	\$115.08

CARBIDE-TIPPED 3-WING 6" BORING BITS WITH 3 SPURS (812CT)



1/2" Shank Diameter and 6" Overall Length

62825 and 62827 have reduced shank behind wings

Designed to bore plastic Formica™ and tempered Masonite™ as well as abrasive materials and hardwoods. Only 2" through 2-1/2" diameter are furnished with 2-1/4" long reinforced shaft.

PART	DIA	SHANK	OAL	TAPER	PRICE
FOREST-62825	1/2"	1/2"	6"		\$148.50
FOREST-62826	9/16"	1/2"	6"		\$148.50
FOREST-62827	5/8"	1/2"	6"		\$148.50
FOREST-62828	11/16"	1/2"	6"		\$148.50
FOREST-62829	3/4"	1/2"	6"		\$148.50
FOREST-62830	13/16"	1/2"	6"		\$148.50
FOREST-62831	7/8"	1/2"	6"		\$148.50
HS812CT-100R	1"	1/2"	6"		\$151.79
FOREST-62833	1-1/8"	1/2"	6"		\$148.50
FOREST-62834	1-1/4"	1/2"	6"		\$148.50
FOREST-62835	1-3/8"	1/2"	6"		\$156.00
HS812CT-150R	1-1/2"	1/2"	6"		\$163.46
FOREST-62837	1-5/8"	1/2"	6"		\$156.00
FOREST-62838	1-3/4"	1/2"	6"		\$156.00
FOREST-62840	2"	1/2"	6"		\$172.50
FOREST-62841	2-1/8"	1/2"	6"		\$172.50
HS812CT-62841WF	2-1/8"	1/2"	6"		\$186.81
FOREST-62842	2-1/4"	1/2"	6"		\$172.50
FOREST-62843	2-1/2"	1/2"	6"		\$172.50
HS812CT-218R	2-1/8"	1/2"	6"		\$165.12
HS812CT-218T30	2-1/8"	1/2"	6"	30°	\$165.12
HS812CT-238	2-3/8"	1/2"	6"		\$215.16
HS812CT-238D5	2-3/8"	1/2"	6"	5°	\$215.16

HIGH SPEED STEEL MULTI-SPUR MACHINE BITS WITH 3/8" HEX END (738) (838)

PART	DIA	SHANK	OAL	PRICE
HS738-058	5/8"	1/2"	7"	\$46.70
HS738-100S	1"	1/2"	7"	\$48.38
HS738-112	1-1/2"	1/2"	7"	\$51.71
HS738-112S	1-1/2"	1/2"	7"	\$51.71
HS738-218	2-1/8"	1/2"	7"	\$65.06
HS738-218S	2-1/8"	1/2"	7"	\$65.06
HS7538-218S	2-1/8"	1/2"	7-1/2"	\$65.06
HS838-100	1"	1/2"	8"	\$51.71



HIGH SPEED STEEL MULTI-SPUR MACHINE BITS WITH 3/8" HEX END (738CT) (838CT)

PART	DIA	SHANK	OAL	PRICE
HS738CT-078	7/8"	1/2"	7"	\$121.80
HS738CT-100	1"	1/2"	7"	\$142.80
HS738CT-100S	1"	1/2"	7"	\$142.80
HS738CT-112	1-1/2"	1/2"	7"	\$142.80
HS738CT-112S	1-1/2"	1/2"	7"	\$155.40
HS738CT-134	1-3/4"	1/2"	7"	\$155.40
HS738CT-218	2-1/8"	1/2"	7"	\$176.40
HS738CT-218S	2-1/8"	1/2"	7"	\$176.40
HS838CT-100	1"	1/2"	8"	\$159.60



CARBIDE-TIPPED 2-WING 6" DRILLS WITH 2 SPURS (811CT)



1/2" Shank Diameter and 6" Nominal Overall Length

Bores clean, accurate holes in plastic laminates and wood. Spur outlines the hole before the chip lifters plane the material; helps prevent cracked edges. Includes solid carbide point.

PART	DIA	SHANK	OAL	PRICE
FOREST-62797	1"	1/2"	6"	\$137.00
FOREST-62798	1-1/8"	1/2"	6"	\$137.00
FOREST-62799	1-1/4"	1/2"	6"	\$137.00
FOREST-62800	1-3/8"	1/2"	6"	\$137.00
FOREST-62801	1-1/2"	1/2"	6"	\$143.00
FOREST-62802	1-5/8"	1/2"	6"	\$152.00
FOREST-62803	1-3/4"	1/2"	6"	\$177.00
FOREST-62804	1-7/8"	1/2"	6"	\$189.00
FOREST-62805	2"	1/2"	6"	\$189.00
FOREST-62806	2-1/8"	1/2"	6"	\$210.00
FOREST-62807	2-1/4"	1/2"	6"	\$210.00
FOREST-62808	2-1/2"	1/2"	6"	\$223.00

ROUTER BITS (X400S) (X402) (X402S) COMSURGE/FOREST CITY

SUPER WEAR HIGH SPEED STEEL DOUBLE EDGE SPIRAL FLUTE ROUTER BITS (X400S)



**CLOSE OUT
LIMITED STOCK**

Down Cut Spiral pushes chips down and away from material.
Usually used with cutting through material where top surface is finished surface.

PART	CUT DIA	CUT LGTH	SHANK DIA	PRICE
FOREST-62972	3/16"	5/8"	1/4"	\$10.00
FOREST-62976	1/4"	1"	1/4"	\$10.00
FOREST-62981	1/4"	3/4"	1/2"	\$10.00
FOREST-62984	3/8"	1-1/4"	1/2"	\$10.00
FOREST-62985	1/2"	1-1/4"	1/2"	\$10.00
FOREST-62992	1/4"	1"	1/4"	\$10.00

SUPER WEAR HIGH SPEED STEEL STRAIGHT SINGLE FLUTE ROUTER BITS (X402)



**CLOSE OUT
LIMITED STOCK**

These "O" flute bits have a high hook angle for free cutting.
All are specially heat-treated to hold their precision ground cutting edge.

PART	CUT DIA	CUT LGTH	SHANK DIA	SHANK LGTH	PRICE
FOREST-62906	5/32"	1/2"	1/4"	1-1/4"	\$10.00

SUPER WEAR HIGH SPEED STEEL SINGLE EDGE SPIRAL FLUTE ROUTER BITS (X402S)



**CLOSE OUT
LIMITED STOCK**

62960 is DOWN CUT SPIRAL
62953 is UP CUT SPIRAL

For cutting aluminum sheet, wall panels, plywood, chip board, insulation sheeting, plastics, and other synthetic materials.
Reduces chipping and tear out on veneers and laminated surfaces.

PART	CUT DIA	CUT LGTH	SHANK DIA	PRICE
FOREST-62953	3/8"	1-1/4"	1/2"	\$10.00
FOREST-62960	1/4"	3/4"	1/4"	\$10.00

COMSURGE/FOREST CITY CHISELS (28) (1-28) (1-28D) (1-28J)

HOLLOW MORTISING CHISELS (28)



Works on Delta Model 14-561 and Jet Model JBM-5

For making square mortises in one stroke, and oblong mortises with each succeeding stroke. 4" blade, 5-1/2" overall length. 1/4" and 5/16" sizes have reinforced blade. Chisel and Bit are sold separately. Use X1-28 chisel bit. Designed to be used with 1-28.

PART	DIA	MORTISING	SHANK	OAL	PRICE
HS28-62602	1/4"	1-7/8"	5/8"	5-1/2"	\$59.93
HS28-62603	5/16"	2-1/8"	5/8"	5-1/2"	\$59.93
HS28-62604	3/8"	2-3/4"	5/8"	5-1/2"	\$65.25
HS28-62605	1/2"	3-1/8"	5/8"	5-1/2"	\$74.25
HS28-62606	5/8"	3-7/8"	3/4"	6-1/4"	\$82.50
HS28-62607	3/4"	5-1/8"	1-1/8"	7-1/2"	\$103.50
HS28-62608	1"	5-1/8"	1-1/8"	7-1/2"	\$127.50

REPLACEMENT HOLLOW CHISEL CENTER DRILLS (1-28)



For 4" Blade Hollow Chisels. Bits have knife edged spurs, no point.

PART	DIA	TWIST LGTH	OAL	PRICE
HS128-62609	1/4"	2-5/8"	8-1/2"	\$24.93
HS128-62610	5/16"	3"	5/16"	\$24.93
HS128-62611	3/8"	3"	8-5/8"	\$27.53
HS128-62612	1/2"	3-1/4"	8-5/8"	\$38.36
HS128-62613	5/8"	4"	8-5/8"	\$45.03
HS128-62614	3/4"	5-1/8"	9-9/16"	\$53.37
HS128-62615	1"	5-1/8"	11"	\$65.88

REPLACEMENT HOLLOW CHISEL REPLACEMENT BITS FOR DELTA MODEL 14-651 (1-28D)



For 4" Blade Hollow Chisels. Bits have knife edged spurs, no point.

PART	DIA	SHANK	MORTISING	TWIST LGTH	OAL	PRICE
FOREST-62609D	1/4"	3/16"	1-3/4"	3-14"	8"	\$17.00
FOREST-62610D	5/16"	1/4"	1-3/4"	3-14"	8"	\$17.00
FOREST-62611D	3/8"	19/64"	3"	6"	8"	\$19.00
FOREST-62612D	1/2"	19/64"	3"	6"	8"	\$26.00

REPLACEMENT HOLLOW CHISEL REPLACEMENT BITS FOR JET MODEL JBM-5 (1-28J)



For 4" Blade Hollow Chisels. Bits have knife edged spurs, no point.

PART	DIA	SHANK	MORTISING	TWIST LGTH	OAL	PRICE
FOREST-62609J	1/4"	3/16"	1-3/4"	3-14"	7-3/4"	\$17.00
FOREST-62610J	5/16"	1/4"	1-3/4"	3-14"	7-3/4"	\$18.00
FOREST-62611J	3/8"	19/64"	3"	6"	7-3/4"	\$20.00
FOREST-62612J	1/2"	19/64"	3"	6"	7-3/4"	\$25.00

SOLID CARBIDE BRAD POINT DRILL BITS METRIC



RH PART	LH PART	DIA	OAL	PRICE
S020DSR	S020DSL	2.0 MM	55 MM	\$14.43
S024DSR	S024DSL	2.4 MM	55 MM	\$15.29
S025DSR	S025DSL	2.5 MM	55 MM	\$15.29
S028DSR	S028DSL	2.8 MM	55 MM	\$15.29
S030DSR	S030DSL	3.0 MM	55 MM	\$16.11
S032DSR	S032DSL	3.2 MM	55 MM	\$16.11
S035DSR	S035DSL	3.5 MM	55 MM	\$17.60
S040DSR	S040DSL	4.0 MM	55 MM	\$18.11
S050DSR	S050DSL	5.0 MM	55 MM	\$22.79
S060DSR	S060DSL	6.0 MM	55 MM	\$27.36

SOLID CARBIDE V-POINT DRILL BITS METRIC



RH PART	LH PART	DIA	OAL	PRICE
S030AVR	N/A	3.0 MM	45 MM	\$13.10
S030VSR	S030VSL	3.0 MM	55 MM	\$19.79
S030HVR	S030HVL	3.0 MM	70 MM	\$13.10
S032VSR	S032VSL	3.2 MM	55 MM	\$19.79
S032HVR	S032HVL	3.2 MM	70 MM	\$18.11

CARBIDE TIPPED COUNTERSINKS METRIC - MOUNT ON SPIRAL

RH PART	LH PART	SM INSIDE DIA	LG INSIDE DIA	PRICE
CS04016R	CS04016L	4 MM	16 MM	\$24.44
CS05016R	CS05016L	5 MM	16 MM	\$24.44
CS06016R	CS06016L	6 MM	16 MM	\$24.44
CS63516R	CS63516L	6.35 MM	16 MM	\$24.44
CS07016R	CS07016L	7 MM	16 MM	\$24.44
CS08018R	CS08018L	8 MM	18 MM	\$26.27
CS09018R	CS09018L	9 MM	18 MM	\$26.27
CS10020R	CS10020L	10 MM	20 MM	\$28.28
CS12020R	CS12020L	12 MM	20 MM	\$28.28



MOUNT ON SPIRAL

Door Store items are on CLEARANCE with LIMITED STOCK

JIGS			
PART	ITEM	DESCRIPTION	PRICE
18CPJ	CROWN PANEL JIG	BUILT-IN AUTOMATIC PINION GEAR CENTERING DEVICE FOR CABINET DOORS WITH 18" OPENING FOR PANELS	\$199.00
CJ	COPE JIG (SOLD OUT)	SOLD OUT	SOLD OUT
18CRJ	CROWN RAIL JIG (SOLD OUT)	SOLD OUT	SOLD OUT
CROWN PANEL JIG		COPE JIG	CROWN RAIL JIG



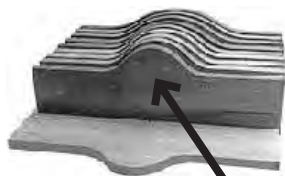
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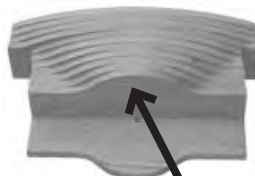
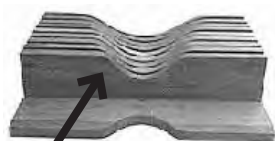
SOLD OUT



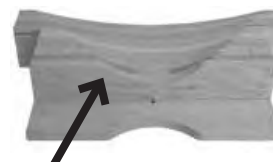
PATTERNS			
PART	ITEM	DESCRIPTION	PRICE
18CPP	CROWN PANEL PATTERNS	10 CROWN PANEL PATTERNS	\$99.00
18CRP	CROWN TOP RAIL PATTERNS	10 CROWN TOP RAIL PATTERNS	\$99.00
18RPP	ROUND PANEL PATTERNS	12 ROUND PANEL PATTERNS	\$99.00
18RRP	ROUND TOP RAIL PATTERNS	12 ROUND TOP RAIL PATTERNS	\$99.00
CROWN RAIL AND PANEL PATTERNS		ARC RAIL AND PANEL PATTERNS	
CROWN PANEL PATTERNS		TOP RAIL PATTERNS	ROUND PANEL PATTERNS
			ROUND TOP RAIL PATTERNS



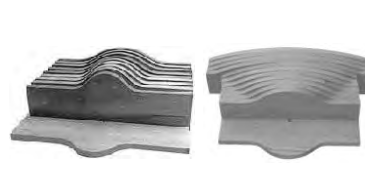
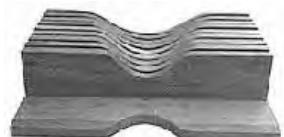
2" RISE



1-1/4" TO 1-3/8" RISE



DOOR STORE SETS			
PART	ITEM	DESCRIPTION	PRICE
DSSET1	DOORSTORE SET 1	INCLUDES 18CPJ/18CRP/18CPP	\$299.00
DSSET2	DOORSTORE SET 2	INCLUDES 18CPJ/18RRP/18RPP	\$299.00
DSSET3	DOORSTORE SET 3	INCLUDES 18CPJ/18CRP/18CPP/18RRP/18RPP	\$399.00
DOOR STORE SET 1		DOOR STORE SET 2	DOOR STORE SET 3



DISC SANDING PADS		
PART	DESCRIPTION	PRICE
5" PSA DISC PADS		
56102	5" (127 mm) Dia. Non-Vacuum Disc Pad, Vinyl-Face 3/8" (10 mm) Thickness Urethane, Soft Density, 5/16"-24 Male Thread	\$25.19
56104	5" (127 mm) Dia. Vacuum Disc Pad, Vinyl-Face 3/8" (10 mm) Thickness Urethane, Medium Density, 5/16"-24 Male Thread	\$21.69
56106	5" (127 mm) Dia. Non-Vacuum Disc Pad, Vinyl-Face 3/8" (10 mm) Thickness Urethane, Medium Density, 5/16"-24 Male Thread	\$21.69
56175	5" (127 mm) Dia. Non-Vacuum Disc Pad, Vinyl-Face 5/8" (16 mm) Thickness Urethane, Medium Density, 5/16"-24 Male Thread	\$19.80
56176	5" (127 mm) Dia. Vacuum Disc Pad, Vinyl-Face 5/8" (16 mm) Thickness Urethane, Medium Density, 5/16"-24 Male Thread	\$19.80
56185	5" (127 mm) Dia. Non-Vacuum Disc Pad, Vinyl-Face 5/8" (16 mm) Thickness Urethane, Soft Density, 5/16"-24 Male Thread	\$26.20
5" HOOK & LOOP DISC PADS		
54325	5" (127 mm) Dia. Non-Vacuum Disc Pad, Hook-Face, Short Nap 3/8" (10 mm) Thickness Urethane, Medium Density, 5/16"-24 Male Thread	\$23.71
54326	5" (127 mm) Dia. Vacuum Disc Pad, Hook-Face, Short Nap 3/8" (10 mm) Thickness Urethane, Medium Density, 5/16"-24 Male Thread	\$23.71
56157	5" (127 mm) Dia. Non-Vacuum Disc Pad, Hook-Face, Short Nap 3/8" (10 mm) Thickness Urethane, Soft Density, 5/16"-24 Male Thread	\$31.33
56180	5" (127 mm) Dia. Non-Vacuum Disc Pad, Hook-Face, Short Nap 5/8" (16 mm) Thickness Urethane, Medium Density, 5/16"-24 Male Thread	\$22.46
56195	5" (127 mm) Dia. Non-Vacuum Disc Pad, Hook-Face, Short Nap 5/8" (16 mm) Thickness Urethane, Soft Density, 5/16"-24 Male Thread	\$27.04
56196	5" (127 mm) Dia. Vacuum Disc Pad, Hook-Face, Short Nap 5/8" (16 mm) Thickness Urethane, Soft Density, 5/16"-24 Male Thread	\$28.59
57795	5" (127 mm) Dia. Non-Vacuum Disc Pad, Hook-Face, Radius 5/8" (16 mm) Thickness Urethane, Soft Density, 5/16"-24 Male Thread	\$36.95
6" PSA DISC PADS		
56103	6" (152 mm) Dia. Non-Vacuum Disc Pad, Vinyl-Face 3/8" (10 mm) Thickness Urethane, Soft Density, 5/16"-24 Male Thread	\$29.36
56105	6" (152 mm) Dia. Vacuum Disc Pad, Vinyl-Face 3/8" (10 mm) Thickness Urethane, Medium Density, 5/16"-24 Male Thread	\$25.33
56107	6" (152 mm) Dia. Non-Vacuum Disc Pad, Vinyl-Face 3/8" (10 mm) Thickness Urethane, Medium Density, 5/16"-24 Male Thread	\$25.33
6" HOOK & LOOP DISC PADS		
54327	6" (152 mm) Dia. Non-Vacuum Disc Pad, Hook-Face, Short Nap 3/8" (10 mm) Thickness Urethane, Medium Density, 5/16"-24 Male Thread	\$27.42
56158	6" (152 mm) Dia. Non-Vacuum Disc Pad, Hook-Face, Short Nap 3/8" (10 mm) Thickness Urethane, Soft Density, 5/16"-24 Male Thread	\$36.22
56183	6" (152 mm) Dia. Vacuum Disc Pad, Hook-Face, Short Nap 5/8" (16 mm) Thickness Urethane, Medium Density, 5/16"-24 Male Thread	\$30.10

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DYNABRADE DUST COLLECTION SYSTEM - ROUTER - SANDERS - NITROZIP

SANDERS & TOOLS		
PART	DESCRIPTION	PRICE
40610	Electric Dynafine II Abrasive Belt Tool 10,500 RPM, 120 V (AC), 7 Amp, 60 Hz, for 1/8"-3/4" W x 18-34" L (3-19 mm x 457-864 mm) Belts	\$437.00
50617	Dust Collection System	\$68.82
51857	.7 hp Trim Router (Complete) 20,000 RPM, Rear Exhaust, 1/4" Collet	\$810.00
56815	5" (127 mm) Dia. Non-Vacuum Dynorbital Supreme Random Orbital Sander .28 hp, 12,000 RPM, 3/16" (5 mm) Dia. Orbit, Rear Exhaust	\$383.00
56844	3-1/2" (89 mm) Dia. Central Vacuum Dynorbital Supreme Random Orbital Sander .28 hp, 12,000 RPM, 3/32" (2 mm) Dia. Orbit, Rear Exhaust	\$405.00
57906	Dynafine Raised Panel Detail Sander .12 hp, 7 Degree Offset, 13,000 RPM, 1/32" (1 mm) Dia. Orbit, Rear Exhaust	\$626.00
57925	4" W x 4-1/2" L (102 mm x 114 mm) Dynabug "Model T" Orbital Sander, Non-Vacuum	\$225.00
58435	6" (152 mm) Dia. DynaLocke Dual-Action Sander, Non-Vacuum .45 hp, 12,000 RPM, 3/16" (5 mm) Dia. Orbit/Rotary, Rear Exhaust	\$612.00
58460	3" (76 mm) Dia. DynaLocke Dual-Action Sander, Non-Vacuum .45 hp, 12,000 RPM, 3/16" (5 mm) Dia. Orbit/Rotary, Rear Exhaust	\$520.00
58509	3" W x 4-1/4" L (76 mm x 108 mm) Dynabug II Orbital Sander, Non-Vacuum .11 hp, 10,000 RPM, 3/32" (2 mm) Dia. Orbit, Rear Exhaust	\$353.00
59005	5" (127 mm) Dia. Non-Vacuum Dynorbital-Spirit Random Orbital Sander .25 hp, 12,000 RPM, 3/8" (10 mm) Dia. Orbit, Rear Exhaust	\$313.00
59010	6" (152 mm) Dia. Non-Vacuum Dynorbital-Spirit Random Orbital Sander .25 hp, 12,000 RPM, 3/8" (10 mm) Dia. Orbit, Rear Exhaust	\$311.00
59020	5" (127 mm) Dia. Non-Vacuum Dynorbital-Spirit Random Orbital Sander .25 hp, 12,000 RPM, 3/16" (5 mm) Dia. Orbit, Rear Exhaust	\$311.00
59023	5" (127 mm) Dia. Self-Generated Vacuum Dynorbital-Spirit Random Orbital Sander .25 hp, 12,000 RPM, 3/16" (5 mm) Dia. Orbit, Rear Exhaust w/o Bag and Hose	\$330.00
59025	6" (152 mm) Dia. Non-Vacuum Dynorbital-Spirit Random Orbital Sander .25 hp, 12,000 RPM, 3/16" (5 mm) Dia. Orbit, Rear Exhaust	\$311.00
59035	5" (127 mm) Dia. Non-Vacuum Dynorbital-Spirit Random Orbital Sander .25 hp, 12,000 RPM, 3/32" (2 mm) Dia. Orbit, Rear Exhaust	\$311.00
59038	5" (127 mm) Dia. Self-Generated Vacuum Dynorbital-Spirit Random Orbital Sander .25 hp, 12,000 RPM, 3/32" (2 mm) Dia. Orbit, Rear Exhaust	\$330.00
59040	6" (152 mm) Dia. Non-Vacuum Dynorbital-Spirit Random Orbital Sander .25 hp, 12,000 RPM, 3/32" (2 mm) Dia. Orbit, Rear Exhaust	\$311.00
59163	5" (127 mm) Dia. Central-Vacuum Dynorbital Spirit Random Orbital Sander 12,000 RPM, 3/8" (10 mm) Dia. Orbit, With 56320 Multi Hole Pad	\$343.00
69025	6" Dia. Non-Vacuum Dynorbital Silver Supreme Random Orbital Sander	\$199.00
59020S	5" Non-Vac Dynorbital Spirit Random Orbital Sander 3/16" Orbit, 12,000 RPM w/54325 Pad	\$316.00
NZ1	NitroZip Surface Conditioning/Decal Pinstrip Removal Tool .5 hp, Right Angle, 3,500 RPM, Rear Exhaust	\$450.00
X51	5" (127 mm) Dia. Non-Vacuum Dynorbital Extreme Random Orbital Sander .3 hp, 12,000 RPM, 3/16" (5 mm) Dia. Orbit, Rear Exhaust, PSA	\$326.00
X52	5" (127 mm) Dia. Non-Vacuum Dynorbital Extreme Random Orbital Sander .3 hp, 12,000 RPM, 3/32" (2.5 mm) Dia. Orbit, Rear Exhaust, PSA	\$326.00
X61	6" (152 mm) Dia. Non-Vacuum Dynorbital Extreme Random Orbital Sander .3 hp, 12,000 RPM, 3/16" (5 mm) Dia. Orbit, Rear Exhaust, PSA	\$326.00
X62	6" (152 mm) Dia. Non-Vacuum Dynorbital Extreme Random Orbital Sander .3 hp, 12,000 RPM, 3/32" (2.5 mm) Dia. Orbit, Rear Exhaust, PSA	\$326.00

TOOLS - BLADES - ACCESSORIES		
PART	DESCRIPTION	PRICE
31345061010	Fleece Filter Bag 5.8 Gallon 5-PACK	\$46.70
35222942080	Best of E-Cut 6-PACK	\$67.10
35222952010	HSS Round SLP Blade 4" Diameter with Depth Stop Adapter	\$116.00
35222952090	E-Cut Combo Pack SL & SLP Blades 3-PACK	\$36.00
63502125210	Carbide Round SL Blade 3" Diameter Kerf 3/64"	\$35.00
63502126290	E-Cut Precision SL Blades 1-3/8" Width 10-PACK	\$106.10
63502134290	E-Cut Standard SLP Blades 2-9/16" Width 10-PACK	\$133.60
63502151290	E-Cut Universal Bi-Metal SLP Blades 1-1/8" Width 10-PACK	\$90.00
63502152290	E-Cut Universal Bi-Metal SLP Blades 1-3/4" Width 10-PACK	\$90.00
63502157290	E-Cut Fine Bi-Metal SL Blades 1-3/16" Width 10-PACK	\$85.00
63502160290	E-Cut Long Life Bi-Metal SL Blades 1-3/8" Width 10-PACK	\$109.95
63502161290	E-Cut Long Life Bi-Metal SLP Blades 2-9/16" Width 10-PACK	\$130.50
63502174210	HSS Round SL Blade 3-3/8" Diameter	\$45.50
63502184290	E-Cut Long Life Bi-Metal SL Blades 3/8" Width 10-PACK	\$106.90
63502205290	E-Cut Precision Bi-Metal SL Blades 1-3/8" Width 10-PACK	\$128.30
63502207290	E-Cut Precision Bi-Metal SL Blades 2-3/16" Width 10-PACK	\$130.60
63502223290	E-Cut Universal Bi-Metal SL Blades 1-3/4" Width 10-PACK	\$85.00
63502229290	E-Cut Precision SL Blades 2-9/16" Width 10-PACK	\$130.00
63502232290	E-Cut Precision SL Blade 2" Width 10-PACK	\$149.95
63502236290	E-Cut TiN Carbide Pro SL Blades 1-3/8" 10-PACK	\$129.00
63717082011	Sandpaper Triangle Hook & Loop 3" x 3" x 3" 60 Grit 50-PACK	\$29.90
63717083015	Sandpaper Triangle Hook & Loop 3" x 3" x 3" 80 Grit 50-PACK	\$29.90
63717086010	Sandpaper Triangle Hook & Loop 3" x 3" x 3" 36 Grit 50-PACK	\$33.10
63717108019	Sandpaper Dustfree Triangle Hook & Loop 3" x 3" x 3" 40 Grit 50-PACK	\$30.50
63717109013	Sandpaper Dustfree Triangle Hook & Loop 3" x 3" x 3" 60 Grit 50-PACK	\$30.50
63717109035	Sandpaper Dustfree Triangle Hook & Loop 3" x 3" x 3" 60/80/120/180/240 Grit 10-EACH	\$30.50
63717110015	Sandpaper Dustfree Triangle Hook & Loop 3" x 3" x 3" 90 Grit 50-PACK	\$30.50
63717111014	Sandpaper Dustfree Triangle Hook & Loop 3" x 3" x 3" 100 Grit 50-PACK	\$30.50
63717112017	Sandpaper Dustfree Triangle Hook & Loop 3" x 3" x 3" 120 Grit 50-PACK	\$30.50
63717113011	Sandpaper Dustfree Triangle Hook & Loop 3" x 3" x 3" 150 Grit 50-PACK	\$30.50
63717114019	Sandpaper Dustfree Triangle Hook & Loop 3" x 3" x 3" 180 Grit 50-PACK	\$30.50
63717115013	Sandpaper Dustfree Triangle Hook & Loop 3" x 3" x 3" 220 Grit 50-PACK	\$30.50
63717116016	Sandpaper Dustfree Triangle Hook & Loop 3" x 3" x 3" 240 Grit 50-PACK	\$30.50
63717127019	Sandpaper Super Soft Triangle Hook & Loop 3" x 3" x 3" 320 Grit 50-PACK	\$30.50
63717128017	Sandpaper Super Soft Triangle Hook & Loop 3" x 3" x 3" 400 Grit 50-PACK	\$30.50
63717179016	Sandpaper Super Soft Triangle Hook & Loop 3" x 3" x 3" 500 Grit 50-PACK	\$30.50
63717185016	Sandpaper Finger Hook & Loop 60 Grit 20-PACK	\$16.00
63717186019	Sandpaper Finger Hook & Loop 80 Grit 20-PACK	\$16.00
63717187013	Sandpaper Finger Hook & Loop 100 Grit 20-PACK	\$16.00
63717188011	Sandpaper Finger Hook & Loop 120 Grit 20-PACK	\$16.00
63717189015	Sandpaper Finger Hook & Loop 150 Grit 20-PACK	\$16.00
63717190017	Sandpaper Finger Hook & Loop 180 Grit 20-PACK	\$16.00
63717192019	Sandpaper Finger Hook & Loop 240 Grit 20-PACK	\$16.00
63731001210	Carbide Triangle Dustfree SL Rasp 3-1/8" x 3-1/8" x 3-1/8"	\$24.00
63731002210	Carbide Finger Dustfree SLP Rasp	\$26.90

TOOLS - BLADES - ACCESSORIES		
PART	DESCRIPTION	PRICE
63806129220	Sanding Pads SL Triangle Hook & Loop 3" x 3" x 3" 2-PACK	\$18.40
63806136220	Sanding Pads Dustfree SL Triangle Hook & Loop 3" x 3" x 3" 2-PACK	\$27.00
63806142220	Sanding Pads SL Triangle Hook & Loop Thin 3" x 3" x 3" 2-PACK	\$30.00
63806159220	Sanding Finger Pads SL Hook & Loop 2-PACK	\$30.00
63903165210	Scraper Blade Flexible SL 2" Width	\$29.70
63903234210	Scraper Blade Rigid SLP 2-11/16" Length	\$20.60
72296762090	MM MULTIMASTER Multi500 Plus Basic Set	\$230.00
72296862090	MM MULTIMASTER 700 Max Basic Set	\$280.00
72297261090	MM MULTIMASTER 300 Plus Start Set	\$180.00
92035236090	Turbo I wet/dry vac	\$372.00
92036236090	Turbo II wet/dry vac	\$430.00



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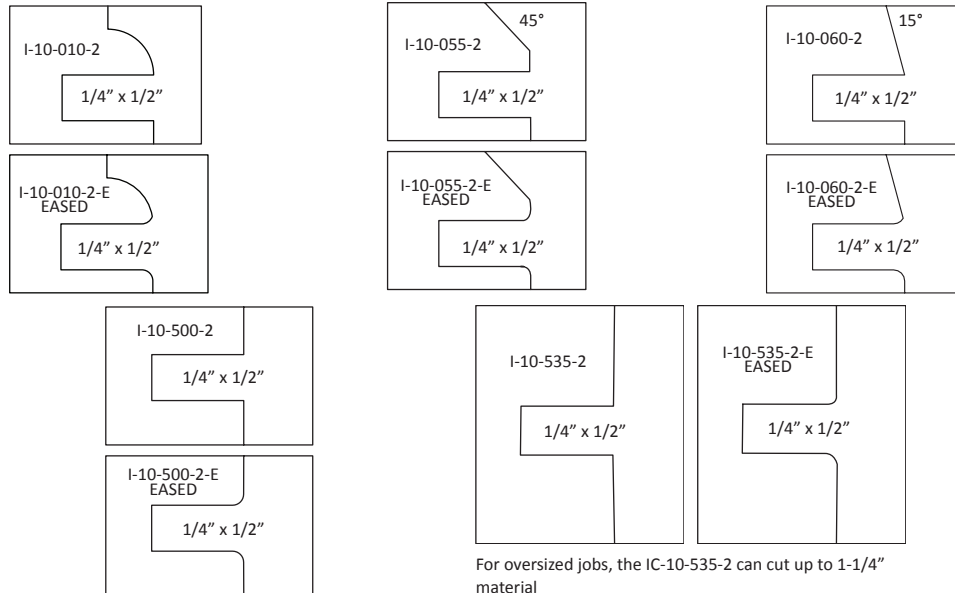
DEDICATED PROFILE INSERT CUTTERS 2 PC SETS

- Common minor diameters and vertical profile centering eliminate the need to adjust the spindle height or fence position when switching from cope to pattern cuts
- Heads will accept both square and eased edges
- For 3/4" to 7/8" material
- 1/4" x 1/2" tongue and groove standard
- 4-1/2" outside diameter, 3-1/2" minor diameter
- 4" diameter for unique 250/265 available by special order
- 5.5mm x 1/2" tongue available by special order
- 1-1/4" bore - use Bearing AP-90-056
- CCW rotation, material fed face down



Each of the profiles on this page must have its **OWN DEDICATED HEADS**

Wood Samples shown ACTUAL SIZE



For oversized jobs, the IC-10-535-2 can cut up to 1-1/4" material

2 piece Cope and Pattern insert sets do not offer the adjustability of 3 piece sets. As a result, it is critical that your spindle be square to your table. (see page 129 for instructions to check your spindle) Also, when changing your tips you must clean the heads of any wood residue to allow proper alignment. Failure to do so may result in a loose fit between your Cope and Pattern cuts.

I-10-010-2 TO I-10-535-2 SET OF 2 HEADS WITH 6 TIPS			
PART	EDGES	CARBIDE PRICE	T-ALLOY PRICE
I-10-010-2 to I-10-500-2	SHARP OR EASED	\$794.00	\$833.00
I-10-535-2 XL PROFILE	SHARP OR EASED	\$894.00	\$938.00
REPLACEMENT TIPS I-10-010-2 to I-10-535-2			
PART	EDGES	CARBIDE PRICE	T-ALLOY PRICE
COPE OR PATTERN TIP SETS OF 3 PIECES			
COPE TIPS	SHARP OR EASED	\$101.00	\$117.00
PATTERN TIPS	SHARP OR EASED	\$101.00	\$117.00
COMPLETE TIP SETS OF 6 PIECES (3 COPE, 3 PATTERN)			
COMPLETE SET OF 6 TIPS	SHARP OR EASED	\$202.00	\$234.00

Insert Replacement Tips on page 81

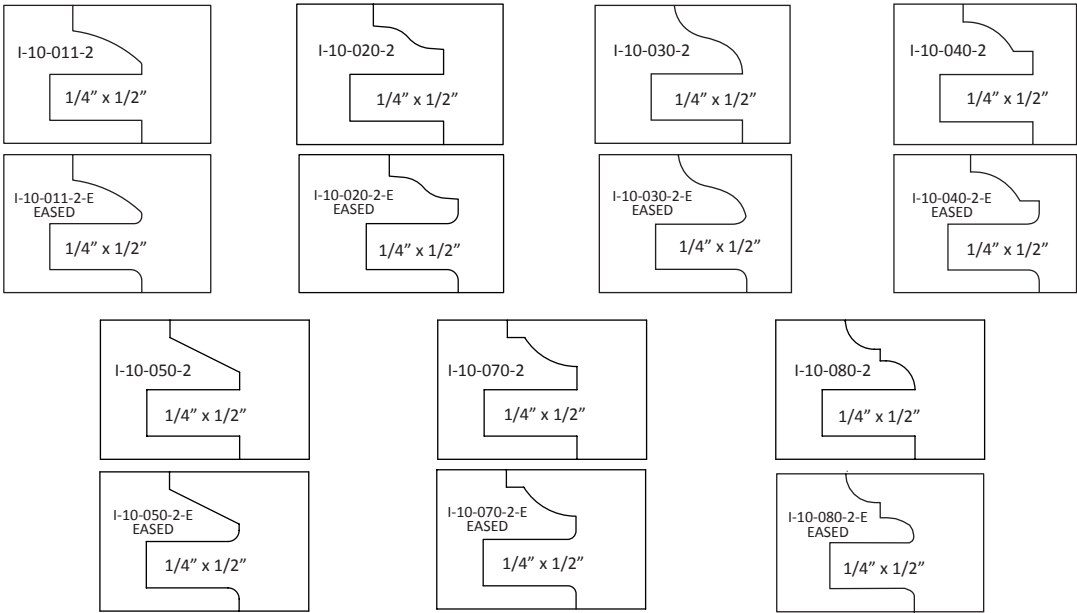
MULTI PROFILE INSERT CUTTERS 2 PC SETS

- Common minor diameters and vertical profile centering eliminate the need to adjust the spindle height or fence position when switching from cope to pattern cuts
- Heads will accept both square and eased edges
- For 3/4" to 7/8" material
- 1/4" x 1/2" tongue and groove standard
- 4-1/2" outside diameter, 3-1/2" minor diameter
- 4" diameter for unique 250/265 available by special order
- 5.5mm x 1/2" tongue available by special order
- 1-1/4" bore - use Bearing AP-90-056
- CCW rotation, material fed face down



The Freeborn multi profile head will accept any of these 14 profiles

Wood Samples shown ACTUAL SIZE



2 piece Cope and Pattern insert sets do not offer the adjustability of 3 piece sets. As a result, it is critical that your spindle be square to your table. (see page 129 for instructions to check your spindle) Also, when changing your tips you must clean the heads of any wood residue to allow proper alignment. Failure to do so may result in a loose fit between your Cope and Pattern cuts.

I-10-011-2 TO I-10-080-2 SET OF 2 HEADS WITH 6 TIPS			
PART	EDGES	CARBIDE PRICE	T-ALLOY PRICE
I-10-011-2 to I-10-080-2	SHARP OR EASED	\$794.00	\$833.00
REPLACEMENT TIPS I-10-011-2 to I-10-080-2			
PART	EDGES	CARBIDE PRICE	T-ALLOY PRICE
COPE OR PATTERN TIP SETS OF 3 PIECES			
COPE TIPS	SHARP OR EASED	\$101.00	\$117.00
PATTERN TIPS	SHARP OR EASED	\$101.00	\$117.00
COMPLETE TIP SETS OF 6 PIECES (3 COPE, 3 PATTERN)			
COMPLETE SET OF 6 TIPS	SHARP OR EASED	\$202.00	\$234.00

Insert Replacement Tips on page 81

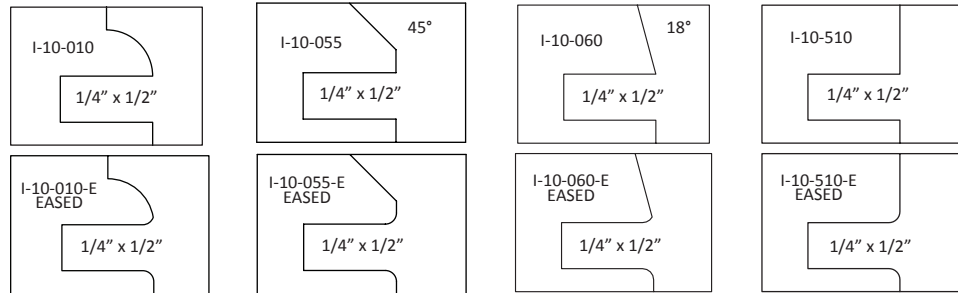
DEDICATED PROFILE INSERT CUTTERS 3 PC SETS

- 3 piece Insert Cope and Pattern Sets to allow easy fit adjustment
- A two piece cope head with shims allow you to adjust your fit as needed
- Common minor diameters and vertical profile centering eliminate the need to adjust the spindle height or fence position when switching from cope to pattern cuts
- Heads will accept both square and eased edges
- For 3/4" to 7/8" material
- 4-1/2" outside diameter, 3-1/2" minor diameter
- 4" diameter for unique 250/265 available by special order
- 5.5mm x 1/2" tongue available by special order
- 1-1/4" bore - use Bearing AP-90-056
- 1/4" x 1/2" tongue and groove standard
- CCW rotation, material fed face down



Each of the profiles on this page must have its **OWN DEDICATED HEADS**

Wood Samples shown ACTUAL SIZE



I-10-010 TO I-10-510 SET OF 3 HEADS WITH 9 TIPS			
PART	EDGES	CARBIDE PRICE	T-ALLOY PRICE
I-10-010 to I-10-510	SHARP OR EASED	\$852.00	\$888.00
REPLACEMENT TIPS I-10-010 to I-10-510			
PART	EDGES	CARBIDE PRICE	T-ALLOY PRICE
TOP, BOTTOM, OR PATTERN TIP SETS OF 3 PIECES			
COPE TOP TIPS	SHARP OR EASED	\$58.00	\$69.00
COPE BOTTOM TIPS	SHARP OR EASED	\$58.00	\$69.00
PATTERN TIPS	SHARP OR EASED	\$101.00	\$117.00
COMPLETE TIP SETS OF 9 PIECES (3 TOP, 3 BOTTOM, 3 PATTERN)			
COMPLETE SET OF 9 TIPS	SHARP OR EASED	\$217.00	\$255.00

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

Insert Replacement Tips on page 80

FREEBORN

INSERT COPE & PATTERN 3 PIECE SETS

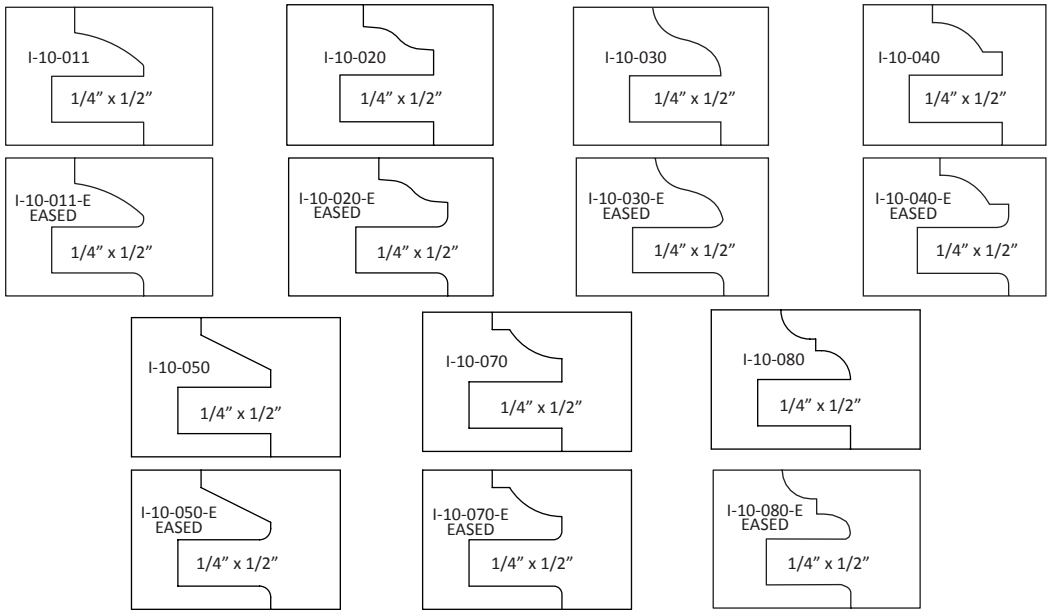
MULTI PROFILE INSERT CUTTERS 3 PC SETS

- 3 piece Insert Cope and Pattern Sets to allow easy fit adjustment
- A two piece cope head with shims allow you to adjust your fit as needed
- Common minor diameters and vertical profile centering eliminate the need to adjust the spindle height or fence position when switching from cope to pattern cuts
- Heads will accept both square and eased edges
- For 3/4" to 7/8" material
- 4-1/2" outside diameter, 3-1/2" minor diameter
- 4" diameter for unique 250/265 available by special order
- 5.5mm x 1/2" tongue available by special order
- 1-1/4" bore - use Bearing AP-90-056
- 1/4" x 1/2" tongue and groove standard
- CCW rotation, material fed face down



The Freeborn multi profile head will accept any of these 14 profiles

Wood Samples shown ACTUAL SIZE



I-10-011 TO I-10-080 SET OF 3 HEADS WITH 9 TIPS			
PART	EDGES	CARBIDE PRICE	T-ALLOY PRICE
I-10-011 to I-10-080	SHARP OR EASED	\$852.00	\$888.00
REPLACEMENT TIPS I-10-011 to I-10-080			
PART	EDGES	CARBIDE PRICE	T-ALLOY PRICE
TOP, BOTTOM, OR PATTERN TIP SETS OF 3 PIECES			
COPE TOP TIPS	SHARP OR EASED	\$58.00	\$69.00
COPE BOTTOM TIPS	SHARP OR EASED	\$58.00	\$69.00
PATTERN TIPS	SHARP OR EASED	\$101.00	\$117.00
COMPLETE TIP SETS OF 9 PIECES (3 TOP, 3 BOTTOM, 3 PATTERN)			
COMPLETE SET OF 9 TIPS	SHARP OR EASED	\$217.00	\$255.00

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

Insert Replacement Tips on page 80

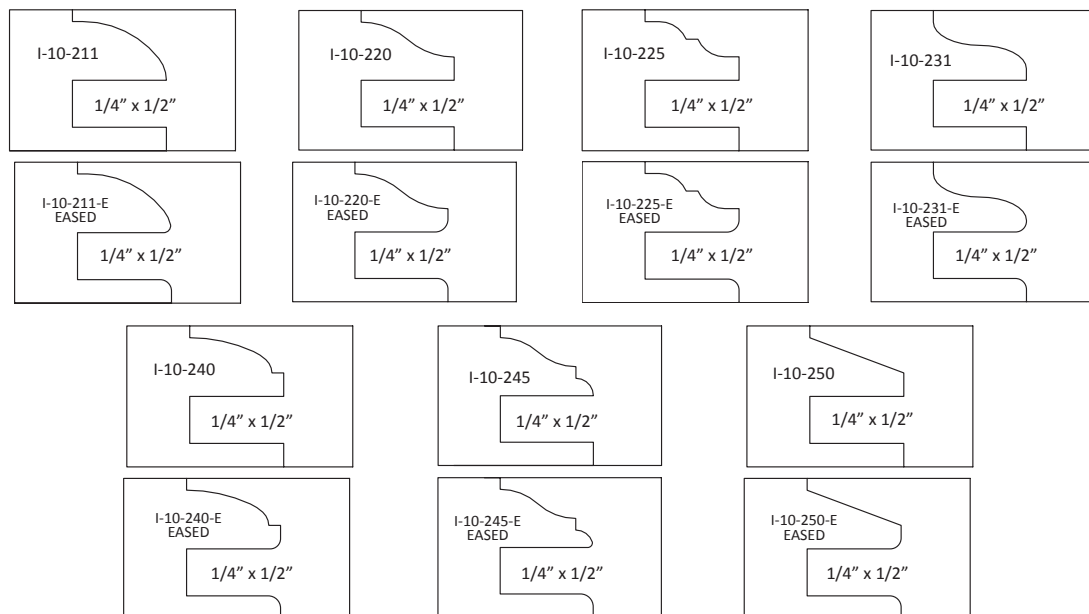
MULTI PROFILE INSERT CUTTERS 3 PC SETS 1/2" DEPTH OF PATTERN

- For a more pronounced profile, our 1/2" depth of pattern sets are a great choice, with all of the benefits of our other sets. The tip sets of these profiles are not interchangeable with our other 3 piece sets.
- 3 piece Insert Cope and Pattern Sets to allow easy fit adjustment
- A two piece cope head with shims allow you to adjust your fit as needed
- Common minor diameters and vertical profile centering eliminate the need to adjust the spindle height or fence position when switching from cope to pattern cuts
- Heads will accept both square and eased edges
- For 3/4" to 7/8" material
- 4-1/2" outside diameter, 3-1/2" minor diameter
- 4" diameter for unique 250/265 available by special order
- 5.5mm x 1/2" tongue available by special order
- 1-1/4" bore - use Bearing AP-90-056
- 1/4" x 1/2" tongue and groove standard
- CCW rotation, material fed face down



The Freeborn multi profile head will accept any of these 14 profiles

Wood Samples shown ACTUAL SIZE



I-10-211 TO I-10-250 SET OF 3 HEADS WITH 9 TIPS			
PART	EDGES	CARBIDE PRICE	T-ALLOY PRICE
I-10-211 to I-10-250	SHARP OR EASED	\$852.00	\$888.00
REPLACEMENT TIPS I-10-211 to I-10-250			
PART	EDGES	CARBIDE PRICE	T-ALLOY PRICE
TOP, BOTTOM, OR PATTERN TIP SETS OF 3 PIECES			
COPE TOP TIPS	SHARP OR EASED	\$58.00	\$69.00
COPE BOTTOM TIPS	SHARP OR EASED	\$58.00	\$69.00
PATTERN TIPS	SHARP OR EASED	\$101.00	\$117.00
COMPLETE TIP SETS OF 9 PIECES (3 TOP, 3 BOTTOM, 3 PATTERN)			
COMPLETE SET OF 9 TIPS	SHARP OR EASED	\$217.00	\$255.00

Insert Replacement Tips on page 80

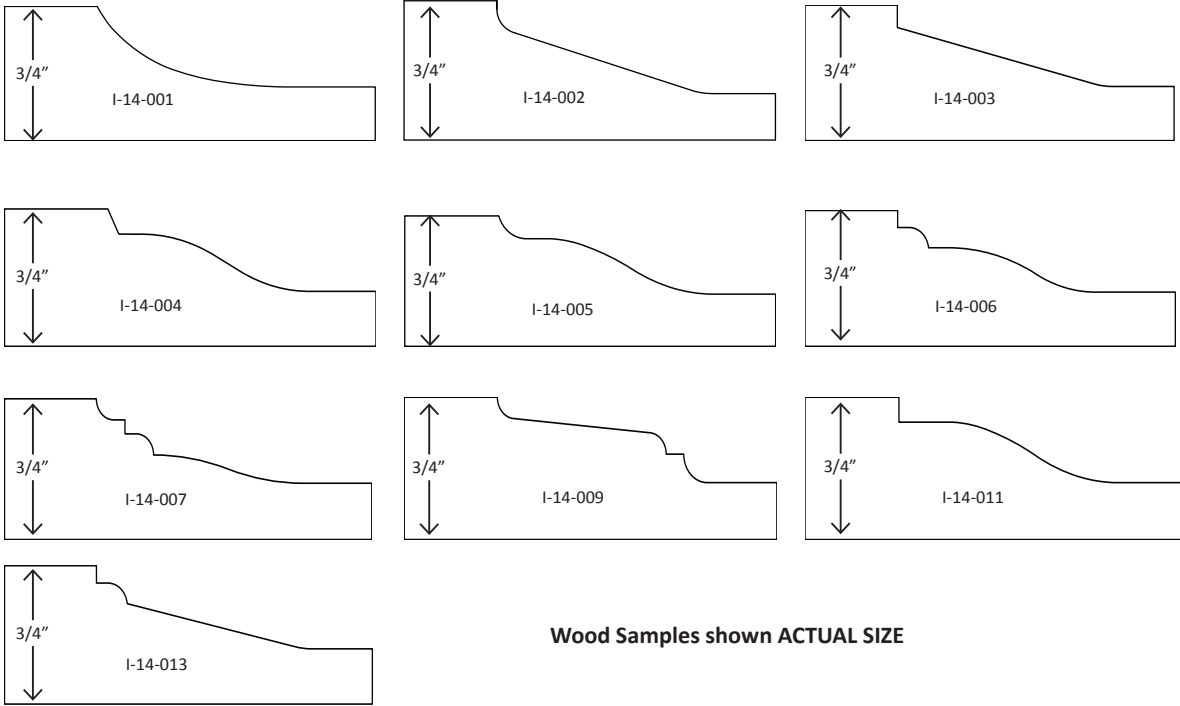
RAISED PANEL INSERT CUTTERS 3/4" MATERIAL

- 3 wing
- 1-1/4" bore
- 6" diameter
- Runs with 3" Bearing AP-90-048
- CCW, material fed face up
- All heads are dedicated to their own profile
- Profiles are NOT interchangeable between heads
- Each Profile needs its own head
- The heads below are for 3/4" thick material and will create the profiles show when using 3/4" thick material
- To use a back cutter with these heads, 7/8" thick material is necessary to get the full profile



I-14-001 TO I-14-013	
TIP MATERIAL	PRICE
CARBIDE	\$392.00
T-ALLOY	\$420.00

Each of the profiles on this page must have its **OWN DEDICATED HEAD**



Wood Samples shown **ACTUAL SIZE**

REPLACEMENT TIPS I-14-001 to I-14-013	
TIP MATERIAL	PRICE PER SET OF 3
CARBIDE	\$101.00
T-ALLOY	\$117.00

Insert Replacement Tips on page 81

RAISED PANEL INSERT CUTTERS 5/8" MATERIAL

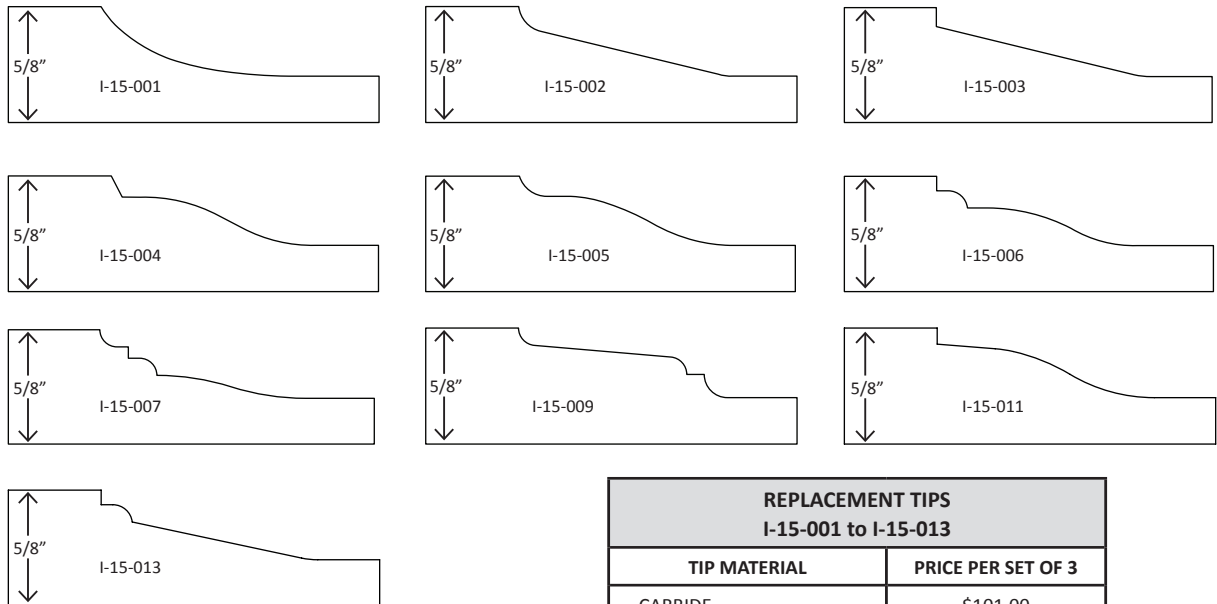
- 3 wing
- 1-1/4" bore
- 6" diameter
- Use with I-16-001 for 3/4" material
- Runs with 3" Bearing AP-90-048
- CCW, material fed face up
- All heads are dedicated to their own profile

- Profiles are NOT interchangeable between heads
- Each Profile needs its own head
- The heads below are for 5/8" thick material and will create the profiles show when using 5/8" thick material
- If you are using 3/4" material and you want your panel to be **FLUSH** with your 3/4" thick Rail & Stile frame then use the below cutters with a back cutter



I-15-001 TO I-15-013	
TIP MATERIAL	PRICE
CARBIDE	\$392.00
T-ALLOY	\$420.00

Wood Samples shown ACTUAL SIZE



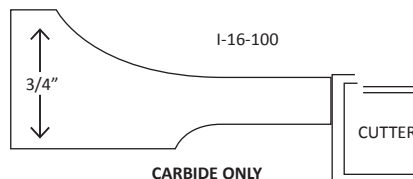
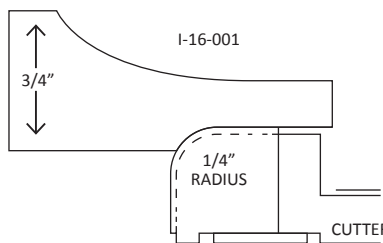
Insert Replacement Tips on page 81

REPLACEMENT TIPS I-15-001 to I-15-013	
TIP MATERIAL	PRICE PER SET OF 3
CARBIDE	\$101.00
T-ALLOY	\$117.00

INSERT BACK CUTTER

- 3 wing
- 1-1/4" bore use Bearing AP-90-048
- 4-3/4" diameter
- 3/4" material
- Runs with a (I-15-xxx) panel cutter

Wood Samples shown ACTUAL SIZE



I-16-001	
TIP MATERIAL	PRICE
CARBIDE	\$308.00
T-ALLOY	\$330.00
REPLACEMENT TIPS SET OF 3	
IC-6-001-S	\$69.00
IT-6-001-S	\$85.00

INSERT TONGUE CUTTER

- 3 wing
- 1-1/4" bore use Bearing AP-90-048
- 3" diameter

I-16-100	
TIP MATERIAL	PRICE
CARBIDE	\$252.00
REPLACEMENT TIPS BOX OF 10	
IC-0140-060	\$14.50

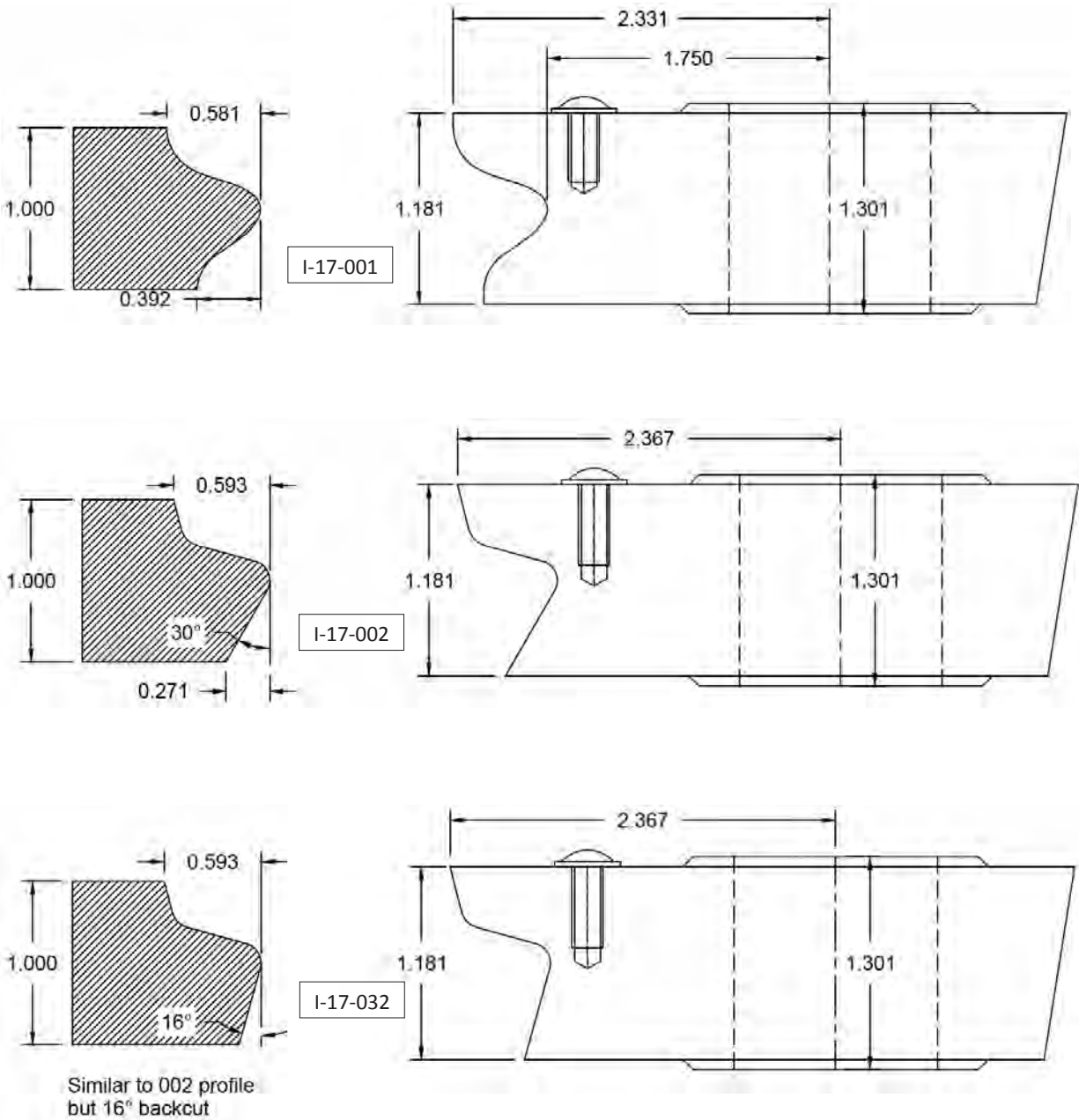
Insert Replacement Tips on page 82

DEDICATED DOOR EDGE DETAIL INSERT CUTTERS

- 3 wing
- 1-1/4" bore - use Bearing AP-90-056
- 3 1/2" minor diameter
- 30mm tips cut the complete edge - not just the profile
- CCW, material fed face up
- These are dedicated profile heads (one profile per head)

I-17-001 TO I-17-032	
TIP MATERIAL	PRICE
CARBIDE	\$364.00
T-ALLOY	\$386.00
REPLACEMENT TIPS SET OF 3 I-17-001 to I-17-032	
CARBIDE	\$101.00
T-ALLOY	\$117.00

Each of the profiles on this page must have its **OWN DEDICATED HEAD**



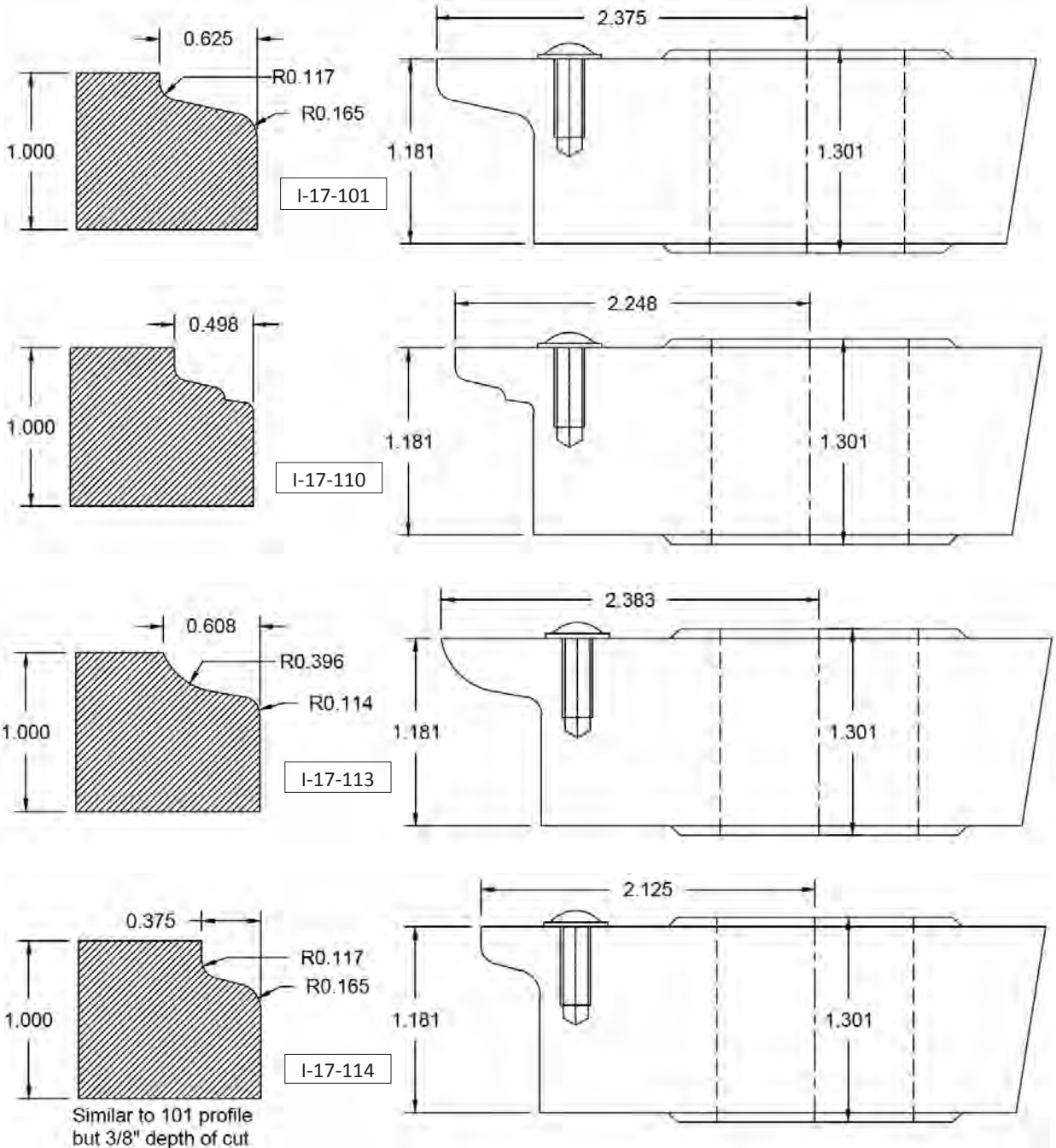
Insert Replacement Tips on page 82

DEDICATED DOOR EDGE DETAIL INSERT CUTTERS

- 3 wing
- 1-1/4" bore - use Bearing AP-90-056
- 3 1/2" minor diameter
- 30mm tips cut the complete edge - not just the profile
- CCW, material fed face up
- These are dedicated profile heads (one profile per head)

I-17-101 TO I-17-114	
TIP MATERIAL	PRICE
CARBIDE	\$364.00
T-ALLOY	\$386.00
REPLACEMENT TIPS SET OF 3 I-17-101 to I-17-114	
CARBIDE	\$101.00
T-ALLOY	\$117.00

Each of the profiles on this page must have its **OWN DEDICATED HEAD**

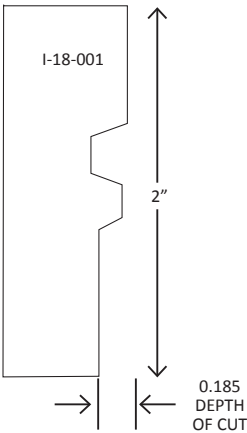


Insert Replacement Tips on page 82

REVERSIBLE GLUE JOINT INSERT CUTTER

- Creates an incredibly strong joint by interlocking the glue surfaces
- 3 wing
- 3 1/2" minor diameter
- 1-1/4" bore - use Bearing AP-90-056
- Cuts from 1/4" to 1 7/8" material
- 50mm tips
- CCW, fed as shown

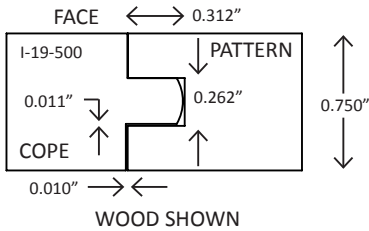
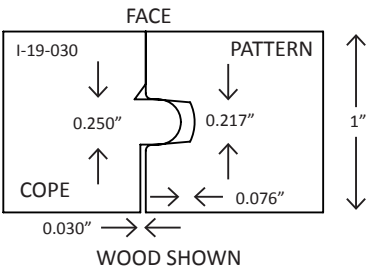
I-18-001	
TIP MATERIAL	PRICE
CARBIDE	\$499.00
REPLACEMENT TIPS SET OF 3	
IC-8-001-S	\$135.00



FLOORING SET INSERT CUTTERS 2 PIECE SETS

- Cuts up to 1" material
 - 30mm tips
 - CCW, material fed face down
- 3 wing
 - 1-1/4" bore - use Bearing AP-90-056
 - 3 1/2" minor diameter

I-19-030 OR I-19-500 SET OF 2 HEADS WITH 6 TIPS		
PART	CARBIDE PRICE	T-ALLOY PRICE
I-19-030	\$794.00	\$833.00
I-19-500	\$794.00	\$833.00
REPLACEMENT TIPS I-19-030 or I-19-500		
PART	CARBIDE PRICE	T-ALLOY PRICE
I-19-030 COPE OR PATTERN TIP SETS OF 3 PIECES		
COPE TIPS	\$101.00	\$117.00
PATTERN TIPS	\$101.00	\$117.00
I-19-500 COPE OR PATTERN TIP SETS OF 3 PIECES		
COPE TIPS	\$101.00	\$117.00
PATTERN TIPS	\$101.00	\$117.00
COMPLETE TIP SETS OF 6 PIECES (3 COPE, 3 PATTERN)		
I-19-030 SET OF 6 TIPS	\$202.00	\$234.00
I-19-500 SET OF 6 TIPS	\$202.00	\$234.00



Insert Replacement Tips on page 82

Tools on this page use **SOLID CARBIDE** Tips and Spurs

STRAIGHT CUTTER INSERT BODIES - Using standard 30mm or 60mm carbide inserts, this is an easy and inexpensive way to perform trim or rabbet cuts. These two style bodies are made of high grade steel, requiring a heavy duty shaper.

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



- 4" Outer Diameter
- 1 1/4" Bore
- 2 Knife Body
- 2 tips 30mm
- 4 spurs 14mm



- 4" Outer Diameter
- 1 1/4" Bore
- 2 Knife Body
- 2 tips 60mm
- 4 spurs 14mm

IC-22-016-SP	
ITEM	PRICE
BODY WITH TIPS	\$280.00
REPLACEMENT RAKERS & SPURS	
IC-0300-050 RAKERS 10/BOX	\$22.00
IC-0140-060 SPURS 10/BOX	\$14.50

IC-22-032-SP	
ITEM	PRICE
BODY WITH TIPS	\$336.00
REPLACEMENT RAKERS & SPURS	
IC-0600-050 RAKERS 10/BOX	\$39.50
IC-0140-060 SPURS 10/BOX	\$14.50

EXPANDABLE SPLIT GROOVER ADJUSTABLE INSERT 2 PIECE SET

- Set your cut from 12.5mm - 24mm using included spacer or shims.
- 4 Wing
- 6" outer diameter
- 1-1/4" Bore
- 4 tips 12mm
- 4 spurs 14mm



IC-22-ADJ	
ITEM	PRICE
BODY WITH TIPS	\$420.00
REPLACEMENT RAKERS & SPURS	
IC-0120-050 RAKERS 10/BOX	\$14.50
IC-0140-060 SPURS 10/BOX	\$14.50

SPIRAL CUTTER INSERT BODIES WITH SPURS



- 4" Outer Diameter
- 1 1/4" Bore
- 4 Wing
- 2" Height
- Aluminum Body
- 8 tips 15mm
- 8 spurs 14mm



- 4" Outer Diameter
- 1 1/4" Bore
- 4 Wing
- 3" Height
- Aluminum Body
- 12 tips 15mm
- 8 spurs 14mm



- 4" Outer Diameter
- 1 1/4" Bore
- 4 Wing
- 4" Height
- Aluminum Body
- 16 tips 15mm
- 8 spurs 14mm

IS-22-032-SP	
ITEM	PRICE
BODY WITH TIPS	\$338.00
REPLACEMENT RAKERS & SPURS	
IC-0150-060 RAKERS 10/BOX	\$29.50
IC-0140-060 SPURS 10/BOX	\$14.50

IS-22-048-SP	
ITEM	PRICE
BODY WITH TIPS	\$383.00
REPLACEMENT RAKERS & SPURS	
IC-0150-060 RAKERS 10/BOX	\$29.50
IC-0140-060 SPURS 10/BOX	\$14.50

IS-22-064-SP	
ITEM	PRICE
BODY WITH TIPS	\$449.00
REPLACEMENT RAKERS & SPURS	
IC-0150-060 RAKERS 10/BOX	\$29.50
IC-0140-060 SPURS 10/BOX	\$14.50

Insert Replacement Tips on page 82

I-10-010 TO I-10-250 - TIPS FOR DEDICATED & MULTI PROFILE INSERT CUTTERS 3 PC SETS						
SET	CARBIDE COPE TOP	CARBIDE COPE BOTTOM	CARBIDE PATTERN	T-ALLOY COPE TOP	T-ALLOY COPE BOTTOM	T-ALLOY PATTERN
I-10-010	IC-000-CTS	IC-010-CBS	IC-010-PS	IT-000-CTS	IT-010-CBS	IT-010-PS
I-10-010-E	IC-000-CTES	IC-010-CBES	IC-010-PES	IT-000-CTES	IT-010-CBES	IT-010-PES
I-10-011	IC-000-CTS	IC-011-CBS	IC-011-PS	IT-000-CTS	IT-011-CBS	IT-011-PS
I-10-011-E	IC-000-CTES	IC-011-CBES	IC-011-PES	IT-000-CTES	IT-011-CBES	IT-011-PES
I-10-020	IC-000-CTS	IC-020-CBS	IC-020-PS	IT-000-CTS	IT-020-CBS	IT-020-PS
I-10-020-E	IC-000-CTES	IC-020-CBES	IC-020-PES	IT-000-CTES	IT-020-CBES	IT-020-PES
I-10-030	IC-000-CTS	IC-030-CBS	IC-030-PS	IT-000-CTS	IT-030-CBS	IT-030-PS
I-10-030-E	IC-000-CTES	IC-030-CBES	IC-030-PES	IT-000-CTES	IT-030-CBES	IT-030-PES
I-10-040	IC-000-CTS	IC-040-CBS	IC-040-PS	IT-000-CTS	IT-040-CBS	IT-040-PS
I-10-040-E	IC-000-CTES	IC-040-CBES	IC-040-PES	IT-000-CTES	IT-040-CBES	IT-040-PES
I-10-050	IC-000-CTS	IC-050-CBS	IC-050-PS	IT-000-CTS	IT-050-CBS	IT-050-PS
I-10-050-E	IC-000-CTES	IC-050-CBES	IC-050-PES	IT-000-CTES	IT-050-CBES	IT-050-PES
I-10-055	IC-000-CTS	IC-055-CBS	IC-055-PS	IT-000-CTS	IT-055-CBS	IT-055-PS
I-10-055-E	IC-000-CTES	IC-055-CBES	IC-055-PES	IT-000-CTES	IT-055-CBES	IT-055-PES
I-10-060	IC-000-CTS	IC-060-CBS	IC-060-PS	IT-000-CTS	IT-060-CBS	IT-060-PS
I-10-060-E	IC-000-CTES	IC-060-CBES	IC-060-PES	IT-000-CTES	IT-060-CBES	IT-060-PES
I-10-070	IC-000-CTS	IC-070-CBS	IC-070-PS	IT-000-CTS	IT-070-CBS	IT-070-PS
I-10-070-E	IC-000-CTES	IC-070-CBES	IC-070-PES	IT-000-CTES	IT-070-CBES	IT-070-PES
I-10-080	IC-000-CTS	IC-080-CBS	IC-080-PS	IT-000-CTS	IT-080-CBS	IT-080-PS
I-10-080-E	IC-000-CTES	IC-080-CBES	IC-080-PES	IT-000-CTES	IT-080-CBES	IT-080-PES
I-10-211	IC-000-CTS	IC-211-CBS	IC-211-PS	IT-000-CTS	IT-211-CBS	IT-211-PS
I-10-211-E	IC-000-CTES	IC-211-CBES	IC-211-PES	IT-000-CTES	IT-211-CBES	IT-211-PES
I-10-220	IC-000-CTS	IC-220-CBS	IC-220-PS	IT-000-CTS	IT-220-CBS	IT-220-PS
I-10-220-E	IC-000-CTES	IC-220-CBES	IC-220-PES	IT-000-CTES	IT-220-CBES	IT-220-PES
I-10-225	IC-000-CTS	IC-225-CBS	IC-225-PS	IT-000-CTS	IT-225-CBS	IT-225-PS
I-10-225-E	IC-000-CTES	IC-225-CBES	IC-225-PES	IT-000-CTES	IT-225-CBES	IT-225-PES
I-10-231	IC-000-CTS	IC-231-CBS	IC-231-PS	IT-000-CTS	IT-231-CBS	IT-231-PS
I-10-231-E	IC-000-CTES	IC-231-CBES	IC-231-PES	IT-000-CTES	IT-231-CBES	IT-231-PES
I-10-240	IC-000-CTS	IC-240-CBS	IC-240-PS	IT-000-CTS	IT-240-CBS	IT-240-PS
I-10-240-E	IC-000-CTES	IC-240-CBES	IC-240-PES	IT-000-CTES	IT-240-CBES	IT-240-PES
I-10-245	IC-000-CTS	IC-245-CBS	IC-245-PS	IT-000-CTS	IT-245-CBS	IT-245-PS
I-10-245-E	IC-000-CTES	IC-245-CBES	IC-245-PES	IT-000-CTES	IT-245-CBES	IT-245-PES
I-10-250	IC-000-CTS	IC-250-CBS	IC-250-PS	IT-000-CTS	IT-250-CBS	IT-250-PS
I-10-250-E	IC-000-CTES	IC-250-CBES	IC-250-PES	IT-000-CTES	IT-250-CBES	IT-250-PES
I-10-510	IC-000-CTS	IC-510-CBS	IC-510-PS	IT-000-CTS	IT-510-CBS	IT-510-PS
I-10-510-E	IC-000-CTES	IC-510-CBES	IC-510-PES	IT-000-CTES	IT-510-CBES	IT-510-PES

I-10-010-2 TO I-10-080-2 - TIPS FOR DEDICATED & MULTI PROFILE INSERT CUTTERS 2 PC SETS				
SET	CARBIDE COPE	CARBIDE PATTERN	T-ALLOY COPE	T-ALLOY PATTERN
I-10-010-2	IC-010-CS	IC-010-PS	IT-010-CS	IT-010-PS
I-10-010-2-E	IC-010-CES	IC-010-PES	IT-010-CES	IT-010-PES
I-10-011-2	IC-011-CS	IC-011-PS	IT-011-CS	IT-011-PS
I-10-011-2-E	IC-011-CES	IC-011-PES	IT-011-CES	IT-011-PES
I-10-020-2	IC-020-CS	IC-020-PS	IT-020-CS	IT-020-PS
I-10-020-2-E	IC-020-CES	IC-020-PES	IT-020-CES	IT-020-PES
I-10-030-2	IC-030-CS	IC-030-PS	IT-030-CS	IT-030-PS
I-10-030-2-E	IC-030-CES	IC-030-PES	IT-030-CES	IT-030-PES
I-10-040-2	IC-040-CS	IC-040-PS	IT-040-CS	IT-040-PS
I-10-040-2-E	IC-040-CES	IC-040-PES	IT-040-CES	IT-040-PES
I-10-050-2	IC-050-CS	IC-050-PS	IT-050-CS	IT-050-PS
I-10-050-2-E	IC-050-CES	IC-050-PES	IT-050-CES	IT-050-PES
I-10-055-2	IC-055-CS	IC-055-PS	IT-055-CS	IT-055-PS
I-10-055-2-E	IC-055-CES	IC-055-PES	IT-055-CES	IT-055-PES
I-10-060-2	IC-060-CS	IC-060-PS	IT-060-CS	IT-060-PS
I-10-060-2-E	IC-060-CES	IC-060-PES	IT-060-CES	IT-060-PES
I-10-070-2	IC-070-CS	IC-070-PS	IT-070-CS	IT-070-PS
I-10-070-2-E	IC-070-CES	IC-070-PES	IT-070-CES	IT-070-PES
I-10-080-2	IC-080-CS	IC-080-PS	IT-080-CS	IT-080-PS
I-10-080-2-E	IC-080-CES	IC-080-PES	IT-080-CES	IT-080-PES
I-10-500-2	IC-500-CS	IC-500-PS	IT-500-CS	IT-500-PS
I-10-500-2-E	IC-500-CES	IC-500-PES	IT-500-CES	IT-500-PES
I-10-535-2	IC-535-CS	IC-535-PS	IT-535-CS	IT-535-PS
I-10-535-2-E	IC-535-CES	IC-535-PES	IT-535-CES	IT-535-PES

I-14-001 TO I-14-013 - TIPS FOR RAISED PANEL INSERT CUTTERS 3/4"		
SET	CARBIDE	T-ALLOY
I-14-001	IC-4-001-S	IT-4-001-S
I-14-002	IC-4-002-S	IT-4-002-S
I-14-003	IC-4-003-S	IT-4-003-S
I-14-004	IC-4-004-S	IT-4-004-S
I-14-005	IC-4-005-S	IT-4-005-S
I-14-006	IC-4-006-S	IT-4-006-S
I-14-007	IC-4-007-S	IT-4-007-S
I-14-009	IC-4-009-S	IT-4-009-S
I-14-011	IC-4-011-S	IT-4-011-S
I-14-013	IC-4-013-S	IT-4-013-S

I-15-001 TO I-15-013 - TIPS RAISED PANEL INSERT CUTTERS 5/8"		
SET	CARBIDE	T-ALLOY
I-15-001	IC-5-001-S	IT-5-001-S
I-15-002	IC-5-002-S	IT-5-002-S
I-15-003	IC-5-003-S	IT-5-003-S
I-15-004	IC-5-004-S	IT-5-004-S
I-15-005	IC-5-005-S	IT-5-005-S
I-15-006	IC-5-006-S	IT-5-006-S
I-15-007	IC-5-007-S	IT-5-007-S
I-15-009	IC-5-009-S	IT-5-009-S
I-15-011	IC-5-011-S	IT-5-011-S
I-15-013	IC-5-013-S	IT-5-013-S

I-16-001 - TIPS FOR BACK CUTTER	
CARBIDE	T-ALLOY
IC-6-001-S	IT-6-001-S

I-16-100 - TIPS FOR TONGUE TRIM CUTTER	
CARBIDE	
IC-0140-060	

I-17-001 TO I-17-114 - TIPS FOR DEDICATED DOOR EDGE DETAIL CUTTERS		
PART	CARBIDE	T-ALLOY
I-17-001	IC-7-001-S	IT-7-001-S
I-17-002	IC-7-002-S	IT-7-002-S
I-17-032	IC-7-032-S	IT-7-032-S
I-17-101	IC-7-101-S	IT-7-101-S
I-17-110	IC-7-110-S	IT-7-110-S
I-17-113	IC-7-113-S	IT-7-113-S
I-17-114	IC-7-114-S	IT-7-114-S

I-18-001 - TIPS FOR REVERSIBLE GLUE JOINT INSERT CUTTER	
CARBIDE	
IC-8-001-S	

I-19-030 TO I-19-500 - TIPS FOR FLOORING SET INSERT CUTTERS				
SET	CARBIDE COPE	CARBIDE PATTERN	T-ALLOY COPE	T-ALLOY PATTERN
I-19-030	IC-9-030-CS	IC-9-030-PS	IT-9-030-CS	IT-9-030-PS
I-19-500	IC-9-500-CS	IC-9-500-PS	IT-9-500-CS	IT-9-500-PS

IC-22-ADJ - TIPS AND SPURS FOR EXPANDABLE SPLIT GROOVER INSERT SET	
CARBIDE TIPS	SPURS
IC-0120-050	IC-0140-060

IC-22-016-SP TO IC-22-032-SP - TIPS AND SPURS FOR STRAIGHT CUTTER INSERTS		
PART	TIPS	SPURS
IC-22-016-SP	IC-0300-050	IC-0140-060
IC-22-032-SP	IC-0600-050	IC-0140-060

IS-22-032-SP TO IS-22-064-SP - TIPS AND SPURS FOR SPIRAL CUTTER INSERTS WITH SPURS		
PART	TIPS	SPURS
IC-22-032-SP	IC-0150-060	IC-0140-060
IC-22-048-SP	IC-0150-060	IC-0140-060
IC-22-064-SP	IC-0150-060	IC-0140-060

BRAZED TOOLING COPE & PATTERN 6 PIECE CUTTER SETS - Versatile and easy-to-use. These 6 piece cutter sets are designed to perform the 3 functions shown. Standard sets cut 1/4" wide x 3/8" deep tongue and groove. Common minor diameter requires NO fence adjustment when changing from cope to pattern cuts (3/8" tongue only). Counterclockwise rotation with wood fed face down

MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

- 3 wing
- 4" diameter
- 1-1/4" bore
- Carbide or T-Alloy
- Runs with 3-1/4" diameter rub bearing (AP-90-052)
- CCW, material face down

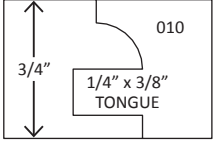
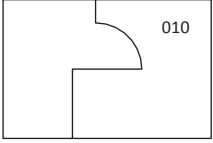
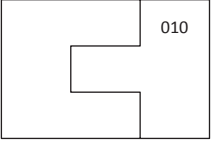
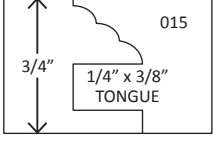
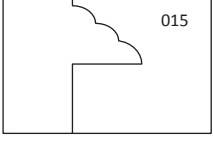
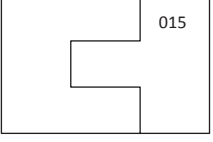
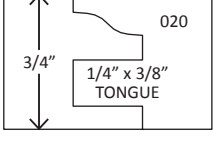
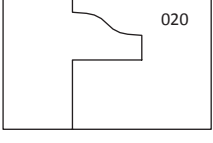
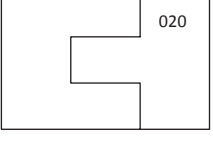
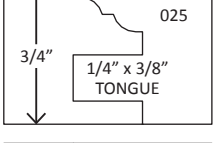
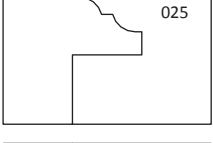
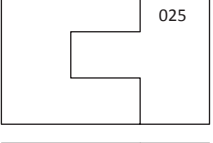
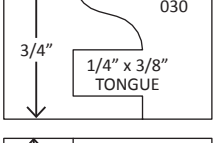
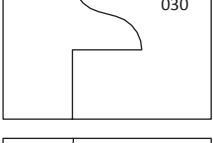
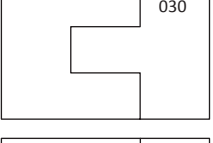
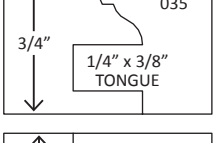
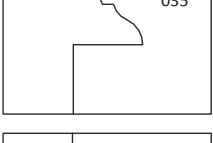
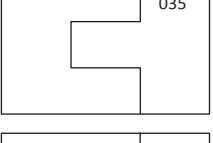
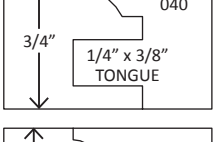
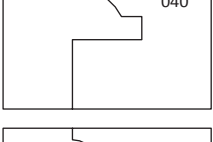
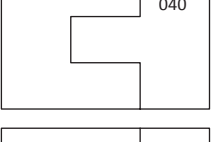
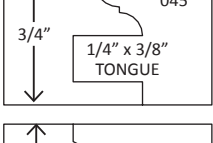
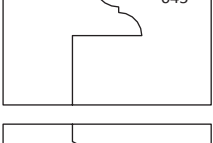
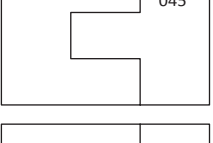
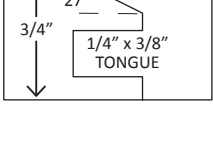
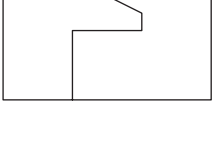
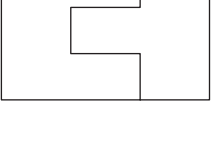
**COPE & PATTERN 6 PIECE CUTTER SETS
SETS 010 TO 050**

PART & MATERIAL	PRICE	PRICE W/EASED EDGE
MC-50-010 thru MC-50-050	\$507.00	\$608.00
PC-10-010 thru PC-10-050	\$596.00	\$715.00
PT-10-010 thru PT-10-050	\$655.00	\$786.00



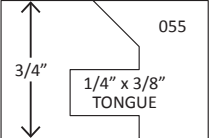
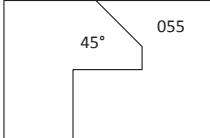
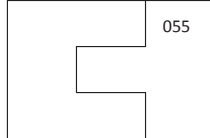
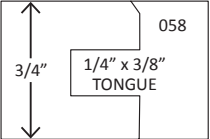
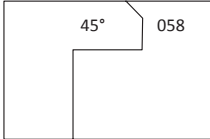
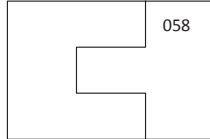
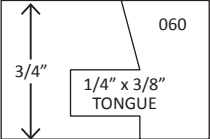
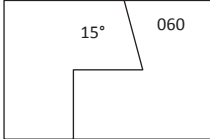
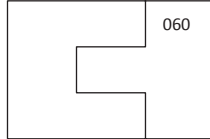
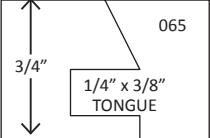
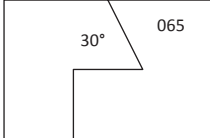
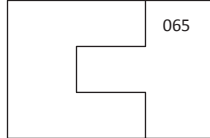
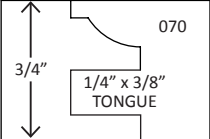
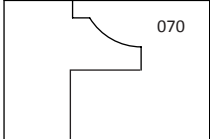
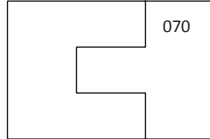
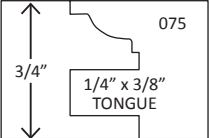
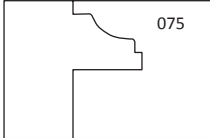
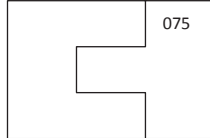
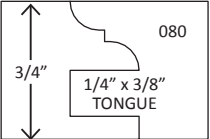
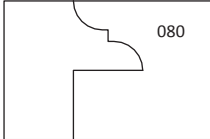
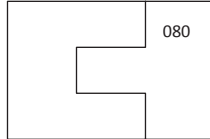
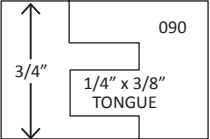
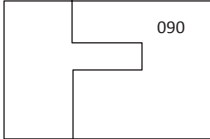
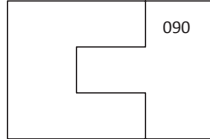
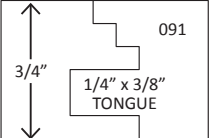
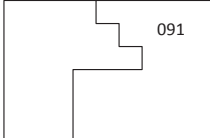
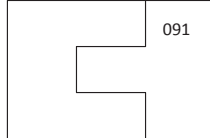
- **Center Groover Sets** (substitutions at time of purchase only): page 86
- **Tongue & Groove/Eased Edge Glass Panel options:** pages 87-88
- **Opposite Rotation:** add 20% to price; allow 3-4 weeks
- **Custom Order Freeborn Tooling:** page 128
- **Spindle Alignment:** page 129
- **Detailed Diagrams:** page 130

Wood Samples shown ACTUAL SIZE

COPE & PATTERN 3/4" to 1-1/8" material	GLASS PANEL 3/4" to 7/8" material	TONGUE & GROOVE 3/4" material
		
		
		
		
		
		
		
		
		

BRAZED TOOLING COPE & PATTERN 6 PIECE CUTTER SETS - Versatile and easy-to-use. These 6 piece cutter sets are designed to perform the 3 functions shown. Standard sets cut 1/4" wide x 3/8" deep tongue and groove. Common minor diameter requires NO fence adjustment when changing from cope to pattern cuts (3/8" tongue only). Counterclockwise rotation with wood fed face down.

Wood Samples shown ACTUAL SIZE

COPE & PATTERN 3/4" to 1-1/8" material	GLASS PANEL 3/4" to 7/8" material	TONGUE & GROOVE 3/4" material
 055 1/4" x 3/8" TONGUE	 45°055	 055
 058 1/4" x 3/8" TONGUE	 45°058	 058
 060 1/4" x 3/8" TONGUE	 15°060	 060
 065 1/4" x 3/8" TONGUE	 30°065	 065
 070 1/4" x 3/8" TONGUE	 070	 070
 075 1/4" x 3/8" TONGUE	 075	 075
 080 1/4" x 3/8" TONGUE	 080	 080
 090 1/4" x 3/8" TONGUE	 090	 090
 091 1/4" x 3/8" TONGUE	 091	 091

MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

- 3 wing
- 4" diameter
- 1-1/4" bore
- Carbide or T-Alloy
- Runs with 3-1/4" diameter rub bearing (AP-90-052)
- CCW, material face down

COPE & PATTERN 6 PIECE CUTTER SETS
SETS 055 TO 091

PART & MATERIAL	PRICE	PRICE W/EASED EDGE
MC-50-055 thru MC-50-091	\$507.00	\$608.00
PC-10-055 thru PC-10-091	\$596.00	\$715.00
PT-10-055 thru PT-10-091	\$655.00	\$786.00



- **Center Groover Sets** (substitutions at time of purchase only): page 86
- **Tongue & Groove/Eased Edge Glass Panel options:** pages 87-88
- **Opposite Rotation:** add 20% to price; allow 3-4 weeks
- **Custom Order Freeborn Tooling:** page 128
- **Spindle Alignment:** page 129
- **Detailed Diagrams:** page 130

BRAZED TOOLING COPE & PATTERN 6 PIECE CUTTER SETS - Versatile and easy-to-use. These 6 piece cutter sets are designed to perform the 3 functions shown. Standard sets cut 1/4" wide x 3/8" deep tongue and groove. Common minor diameter requires NO fence adjustment when changing from cope to pattern cuts (3/8" tongue only). Counterclockwise rotation with wood fed face down.

MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

- 3 wing
- 4" diameter
- 1-1/4" bore
- Carbide or T-Alloy
- Runs with 3-1/4" diameter rub bearing (AP-90-052)
- CCW, material face down

COPE & PATTERN 6 PIECE CUTTER SETS		
PART & MATERIAL	PRICE	PRICE W/EASED EDGE
SETS 092 to 093		
MC-50-092 thru MC-50-093	\$507.00	\$608.00
PC-10-092 thru PC-10-093	\$596.00	\$715.00
PT-10-092 thru PT-10-093	\$655.00	\$786.00
SET 500		
MC-50-500	\$415.00	\$498.00
PC-10-500	\$489.00	\$587.00
PT-10-500	\$537.00	\$644.00
SET 145		
MC-50-145	\$532.00	\$638.00
PC-10-145	\$626.00	\$751.00
PT-10-145	\$655.00	\$827.00

Wood Samples shown ACTUAL SIZE

COPE & PATTERN	GLASS PANEL	TONGUE & GROOVE
3/4" to 1-1/8" material	3/4" to 7/8" material	3/4" material



COPE & PATTERN	GLASS PANEL	TONGUE & GROOVE
1" to 1-3/8" material		

- **Center Groover Sets** (substitutions at time of purchase only): page 86
- **Tongue & Groove/Eased Edge Glass Panel options:** pages 87-88
- **Opposite Rotation:** add 20% to price; allow 3-4 weeks
- **Custom Order Freeborn Tooling:** page 128
- **Spindle Alignment:** page 129
- **Detailed Diagrams:** page 130

DOUBLE SIDED COPE & PATTERN 6 PC SETS SETS 310 TO 340		
PART & MATERIAL	PRICE	PRICE W/EASED EDGE
MC-50-310 thru MC-50-340	\$515.00	\$618.00
PC-10-310 thru PC-10-340	\$606.00	\$727.00
PT-10-310 thru PT-10-340	\$667.00	\$800.00

1" to 1-1/8" material

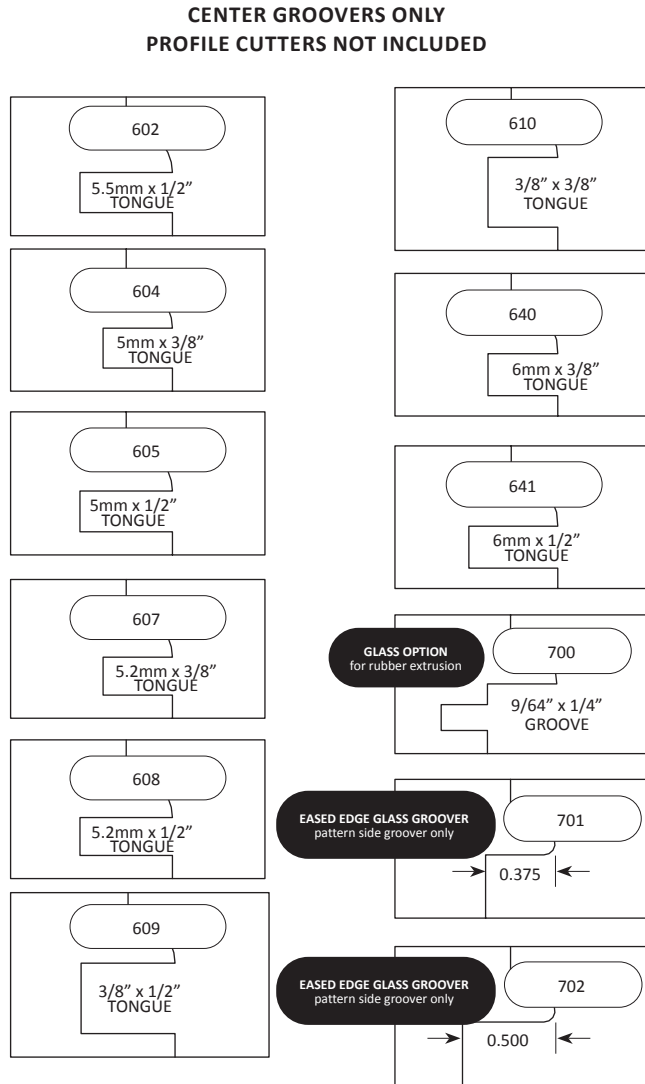
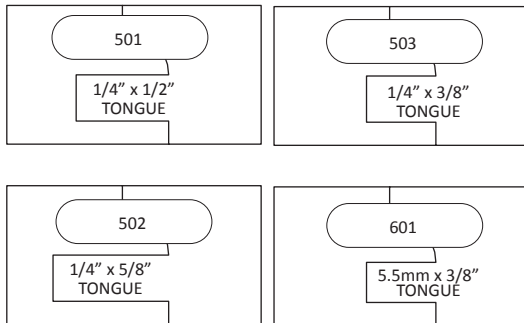
Wood Samples shown
ACTUAL SIZE

1" to 1-1/8" material	

3/8" DEPTH OF PATTERN

CENTER GROOVER 2 PIECE CUTTER SETS - At time of purchase, you may substitute the following tongue & groove cutters for the standard tongue & groove cutters in your cope & pattern set, at no additional charge. If you choose an optional center groover set other than 3/8" depth, you will be unable to do the tongue & groove option. Available on all M-50 and P-10 series cope & patterns. For options other than 3/8" depth, diameters will no longer be the same, requiring fence adjustments between cuts.

CENTER GROOVER 2 PIECE CUTTER SETS		
PART & MATERIAL	PRICE	PRICE W/EASED EDGE
SETS 501 to 641		
MC-50-501 thru MC-50-641	\$142.00	\$170.00
PC-10-501 thru PC-10-641	\$167.00	\$201.00
PT-10-501 thru PT-10-641	\$185.00	\$222.00
SET 700		
MC-50-700	\$208.00	\$250.00
PC-10-700	\$245.00	\$294.00
PT-10-700	\$269.00	\$323.00
SETS 701 to 702 - EASED EDGE ONLY		
MC-50-701 or MC-50-702		\$208.00
PC-10-701 or PC-10-702		\$245.00
PT-10-701 or PT-10-702		\$269.00



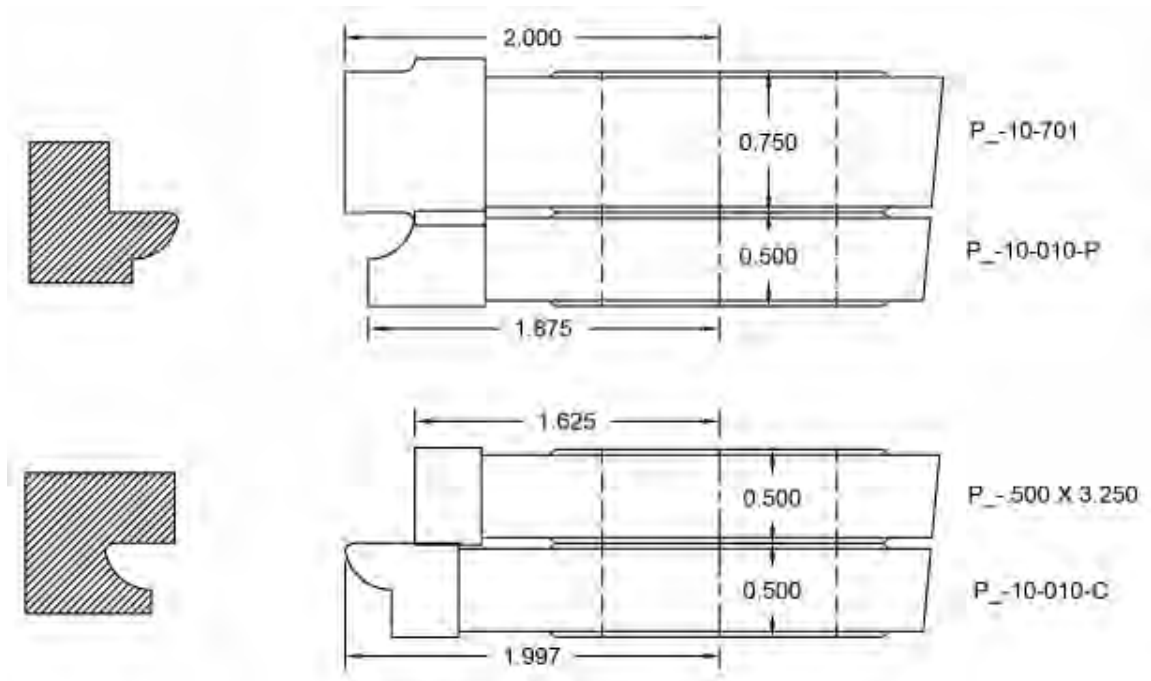
CENTER SPLIT GROOVER 4 PIECE CUTTER SETS - These 4 piece split groover sets are used in the 10 and 50 series cope and pattern sets to allow you to cut between 3/16" and just under 3/8" with included shims. NOTE: Provides adjustment for spindle alignment issues. Exchange for standard center groovers with purchase of a new 6 piece set for an additional fee (MC = \$200.00 / PC or PT = \$250.00.) Must be drop shipped from Freeborn.

CENTER SPLIT GROOVER 4 PIECE CUTTER SETS		
PART & MATERIAL	PRICE	PRICE W/EASED EDGE
SET 403 - 3/8" DEPTH		
MC-50-403	\$313.00	\$343.00
PC-10-403	\$368.00	\$405.00
PT-10-403	\$405.00	\$445.00
SET 401 - 1/2" DEPTH		
MC-50-401	\$313.00	\$343.00
PC-10-401	\$368.00	\$405.00
PT-10-401	\$405.00	\$445.00

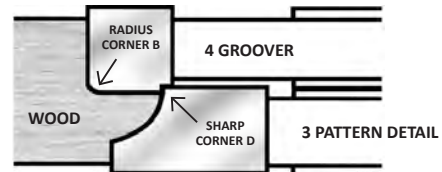
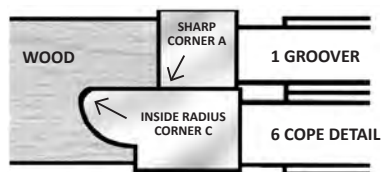
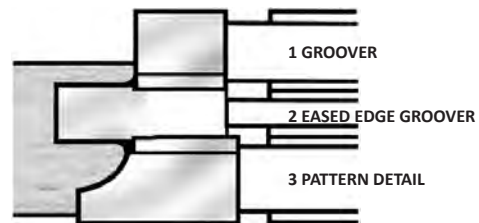
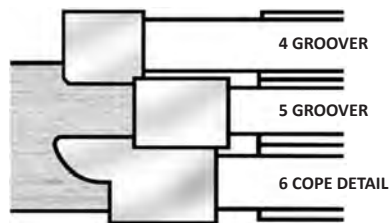


EASED EDGE GLASS PANEL OPTION CUTTER

Use 701 eased edge glass panel option cutter (page 86) with your Freeborn eased edge cutter set for glass panels.



Profiles shown are EXAMPLES ONLY

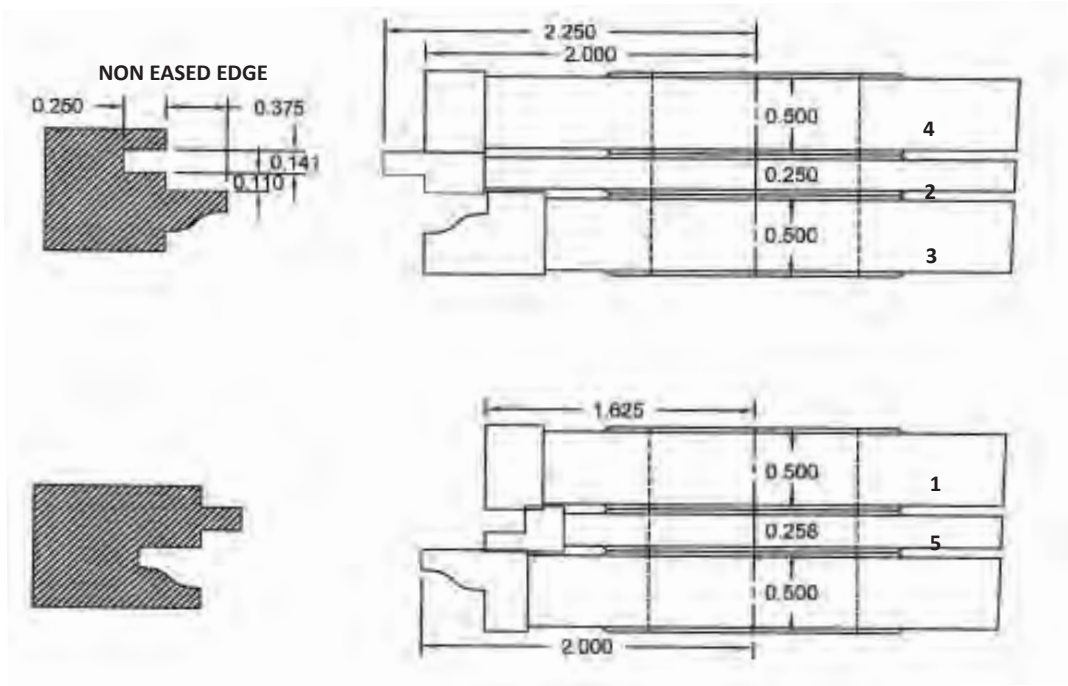


Want to create glass panels with an eased edge set? A 701 cutter is required or sharp corner A will not fit into radius corner B and sharp corner D will not fit into inside radius corner C (see above diagrams)

- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129
- Detailed Diagrams: page 130

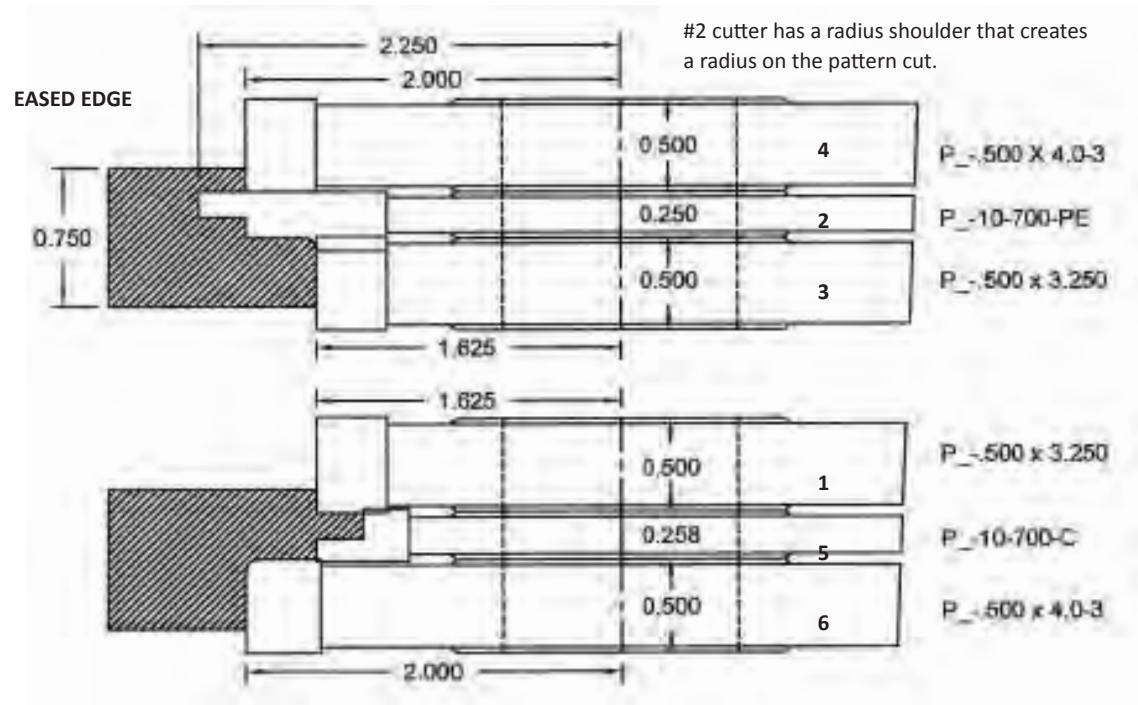
RUBBER EXTRUSION GLASS PANEL OPTION CUTTER

Eased or non-eased edge available.



Profiles shown are EXAMPLES ONLY

To use an eased edge cutter set for doors with rubber extrusion you will need a Freeborn Pro or Mini Pro straight cutter where #4 cutter sits and the PC/PT-10-700 or MC-50-700 2 piece cutter set.



1/2" DEPTH OF PATTERN - DEEPER PROFILE SETS

BRAZED TOOLING COPE & PATTERN 6 PIECE CUTTER SETS 1/2" DEPTH OF PATTERN - Versatile and easy-to-use. These 6 piece cutter sets are designed to perform the 3 functions shown. Standard sets cut 1/4" wide x 1/2" deep tongue and groove. Common minor diameter requires NO fence adjustment when changing from cope to pattern cuts (1/2" tongue only). Counterclockwise rotation with wood fed face down

MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

- 3 wing
- 4.25" diameter
- 1-1/4" bore
- Carbide or T-Alloy
- Runs with 3-1/4" diameter rub bearing (AP-90-052)
- CCW, material face down

COPE & PATTERN 6 PIECE CUTTER SETS SETS 211 TO 290

PART & MATERIAL	PRICE	PRICE W/EASED EDGE
MC-50-211 thru MC-50-290	\$531.00	\$637.00
PC-10-211 thru PC-10-290	\$625.00	\$750.00
PT-10-211 thru PT-10-290	\$688.00	\$826.00



- **Center Groover Sets** (substitutions at time of purchase only): page 90
- **Tongue & Groove/Eased Edge Glass Panel options:** page 90
- **Opposite Rotation:** add 20% to price; allow 3-4 weeks
- **Custom Order Freeborn Tooling:** page 128
- **Spindle Alignment:** page 129
- **Detailed Diagrams:** page 130

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

Wood Samples shown ACTUAL SIZE

COPE & PATTERN 3/4" to 1-1/8" material	GLASS PANEL 3/4" to 7/8" material	TONGUE & GROOVE 3/4" material
211	211	211
220	220	220
225	225	225
231	231	231
240	240	240
245	245	245
250	250	250
290	290	290

FREEBORN

CENTER GROOVER SETS 1/2" DEPTH OF PATTERN

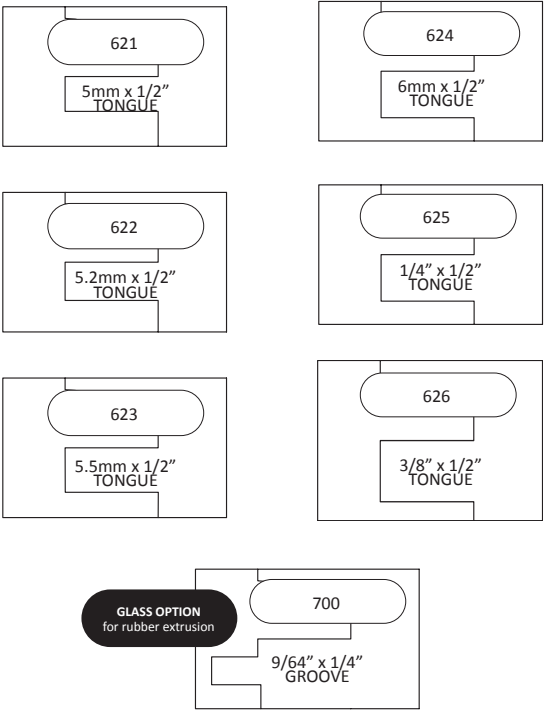
1/2" DEPTH OF PATTERN
FOR 1/2" DEPTH OF PROFILE SETS

CENTER GROOVER 2 PIECE CUTTER SETS 1/2" DEPTH OF PATTERN - At time of purchase, you may substitute the following tongue & groove cutters for the standard tongue & groove cutters in your cope and pattern set, at no additional charge.

CENTER GROOVER 2 PIECE CUTTER SETS		
PART & MATERIAL	PRICE	PRICE W/EASED EDGE
SETS 621 to 626		
MC-50-621 thru MC-50-626	\$142.00	\$170.00
PC-10-621 thru PC-10-626	\$167.00	\$200.00
PT-10-621 thru PT-10-626	\$185.00	\$222.00
SET 700		
MC-50-200-700	\$208.00	\$250.00
PC-10-200-700	\$245.00	\$294.00
PT-10-200-700	\$269.00	\$322.00



CENTER GROOVERS ONLY
PROFILE CUTTERS NOT INCLUDED



CENTER SPLIT GROOVER 4 PIECE CUTTER SETS - 1/2" DEPTH OF PATTERN - These 4 piece split groover sets are used in the 10 and 50 series cope and pattern sets to allow you to cut between 3/16" and just under 3/8" with included shims.

NOTE: Provides adjustment for spindle alignment issues. Exchange for standard center groovers with purchase of a new 6 piece set for an additional fee (MC = \$225.00 / PC or PT = \$275.00) Must be drop shipped from Freeborn.

CENTER SPLIT GROOVER 4 PIECE CUTTER SETS SET 402 - 1/2" DEPTH		
PART & MATERIAL	PRICE	PRICE W/EASED EDGE
MC-50-402	\$313.00	\$343.00
PC-10-402	\$368.00	\$405.00
PT-10-402	\$405.00	\$445.00



- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129
- Detailed Diagrams: page 130

BRAZED TOOLING DOUBLE SIDED COPE & PATTERN 8 PIECE SETS - Standard sets cut $1/4" \times 5/8"$ or $1/2" \times 5/8"$ deep tongue and groove. Mini-Pro is not to be used on $1/2"$ spindle. These 8 piece cutter sets are built to cut both $1-3/8"$ passage doors and $1-3/4"$ entry doors simply by changing the center cutters. A 2 piece glass panel groover set is also available to run with these sets.

DOUBLE SIDED COPE & PATTERN 8 PIECE SETS SETS 010 TO 030		
PART & MATERIAL	PRICE	PRICE W/EASED EDGE
MC-51-010 thru MC-51-030	\$920.00	\$1104.00
PC-11-010 thru PC-11-030	\$1081.00	\$1297.00
PT-11-010 thru PT-11-030	\$1190.00	\$1428.00

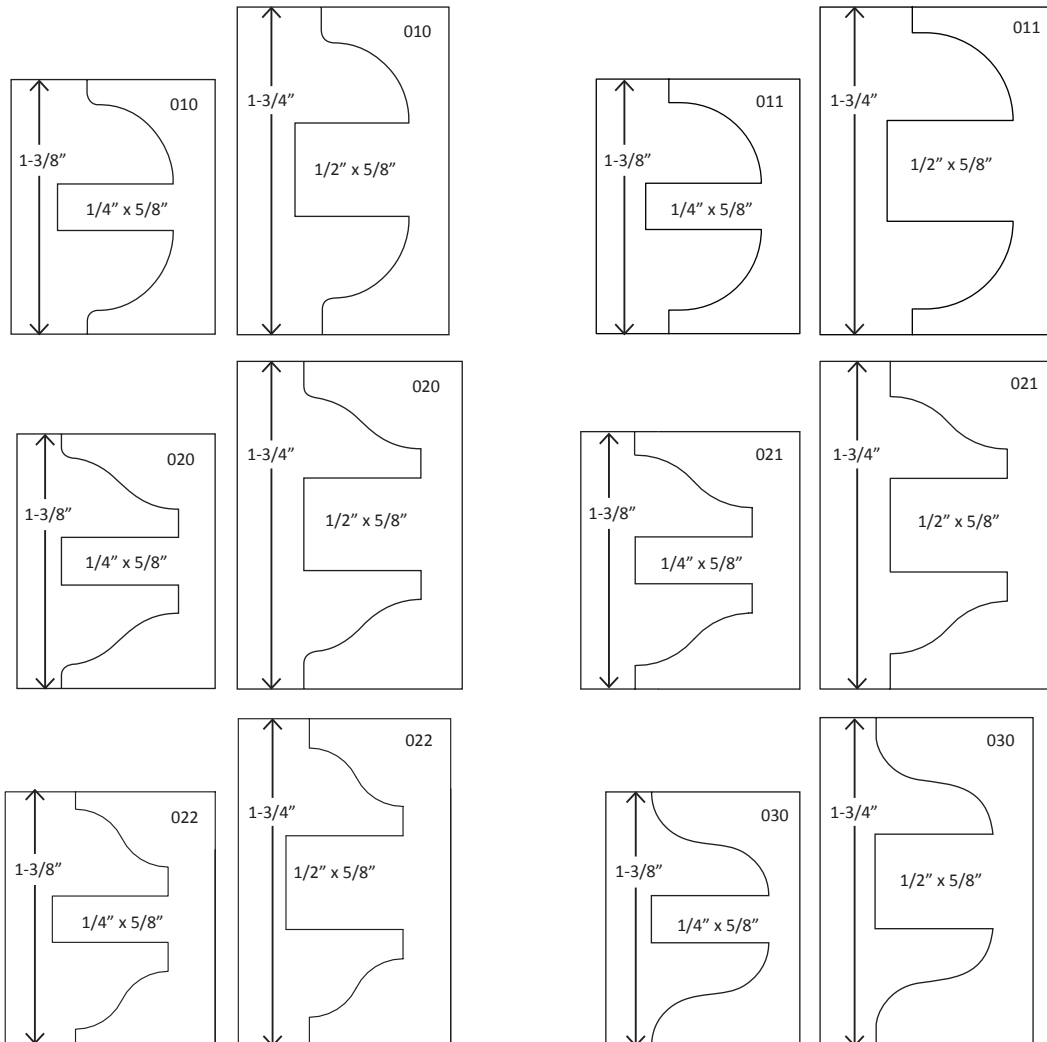
NOTE: All profiles shown below may be made as a window sash set.

MINI-PRO $3/4"$ bore in Carbide (MC)

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

PRO-LINE $1-1/4"$ bore in Carbide (PC) or T-Alloy (PT)

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



- **Center Groover Sets** (substitutions at time of purchase only): page 94
- **Tongue & Groove/Eased Edge Glass Panel options:** page 94
- **Opposite Rotation:** add 20% to price; allow 3-4 weeks
- **Custom Order Freeborn Tooling:** page 128
- **Spindle Alignment:** page 129
- **Detailed Diagrams:** pages 131-132

FREEBORN

DOUBLE SIDED COPE & PATTERN 8 PC SETS

BRAZED TOOLING DOUBLE SIDED COPE & PATTERN 8 PIECE SETS - Standard sets cut 1/4" x 5/8" or 1/2" x 5/8" deep tongue and groove. Mini-Pro is not to be used on 1/2" spindle. These 8 piece cutter sets are built to cut both 1-3/8" passage doors and 1-3/4" entry doors simply by changing the center cutters. A 2 piece glass panel groover set is also available to run with these sets.

DOUBLE SIDED COPE & PATTERN 8 PIECE SETS 040 TO 065		
PART & MATERIAL	PRICE	PRICE W/EASED EDGE
MC-51-040 thru MC-51-065	\$920.00	\$1104.00
PC-11-040 thru PC-11-065	\$1080.00	\$1297.00
PT-11-040 thru PT-11-065	\$1190.00	\$1428.00

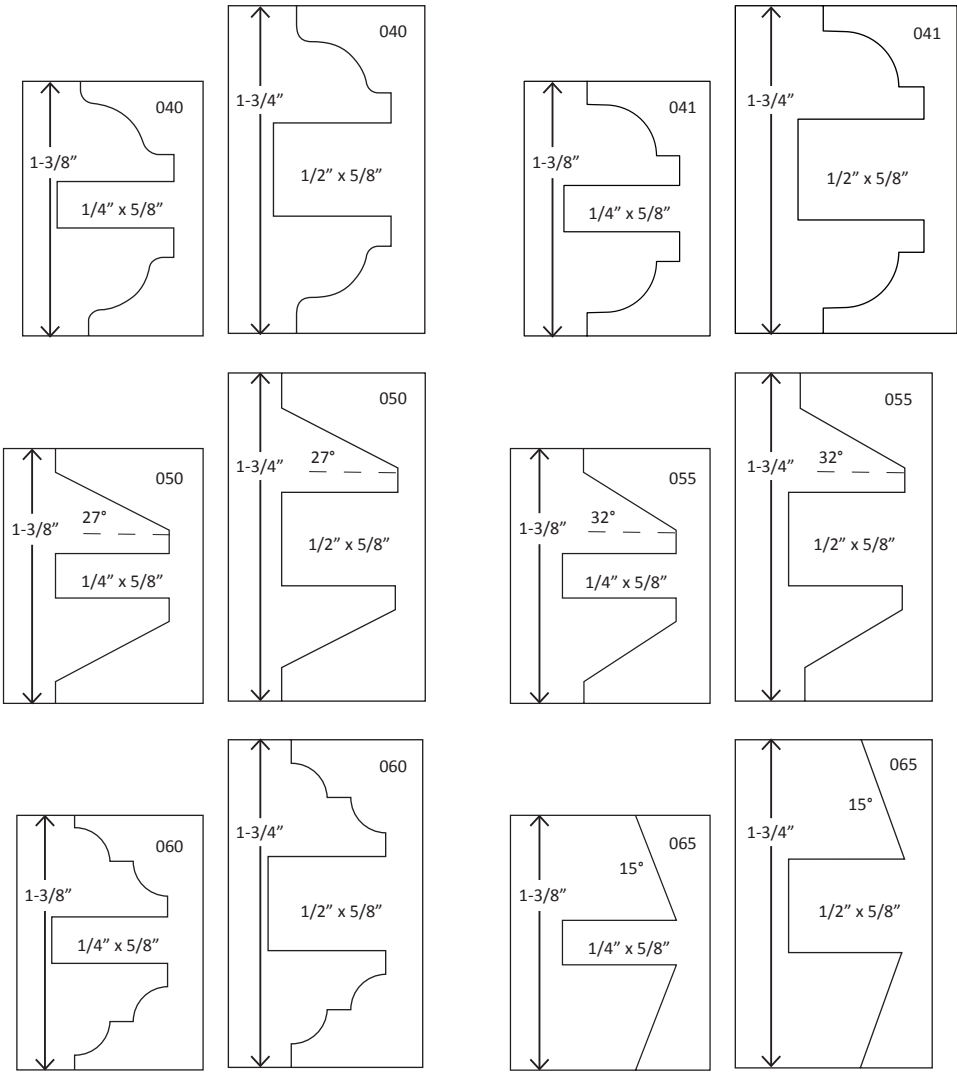
NOTE: All profiles shown below may be made as a window sash set.

MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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



- **Center Groover Sets** (substitutions at time of purchase only): page 94
- **Tongue & Groove/Eased Edge Glass Panel options:** page 94
- **Opposite Rotation:** add 20% to price; allow 3-4 weeks
- **Custom Order Freeborn Tooling:** page 128
- **Spindle Alignment:** page 129
- **Detailed Diagrams:** pages 131-132

BRAZED TOOLING DOUBLE SIDED COPE & PATTERN 8 PIECE SETS - Standard sets cut 1/4" x 5/8" or 1/2" x 5/8" deep tongue and groove. Mini-Pro is not to be used on 1/2" spindle. These 8 piece cutter sets are built to cut both 1-3/8" passage doors and 1-3/4" entry doors simply by changing the center cutters. A 2 piece glass panel groover set is also available to run with these sets.

DOUBLE SIDED COPE & PATTERN 8 PIECE SETS SETS 070 TO 500		
PART & MATERIAL	PRICE	PRICE W/EASED EDGE
MC-51-070 thru MC-51-090	\$920.00	\$1104.00
PC-11-070 thru PC-11-090	\$1080.00	\$1297.00
PT-11-070 thru PT-11-090	\$1190.00	\$1428.00
SET 500		
MC-51-500	\$727.00	\$872.00
PC-11-500	\$855.00	\$1026.00
PT-11-500	\$941.00	\$1129.00

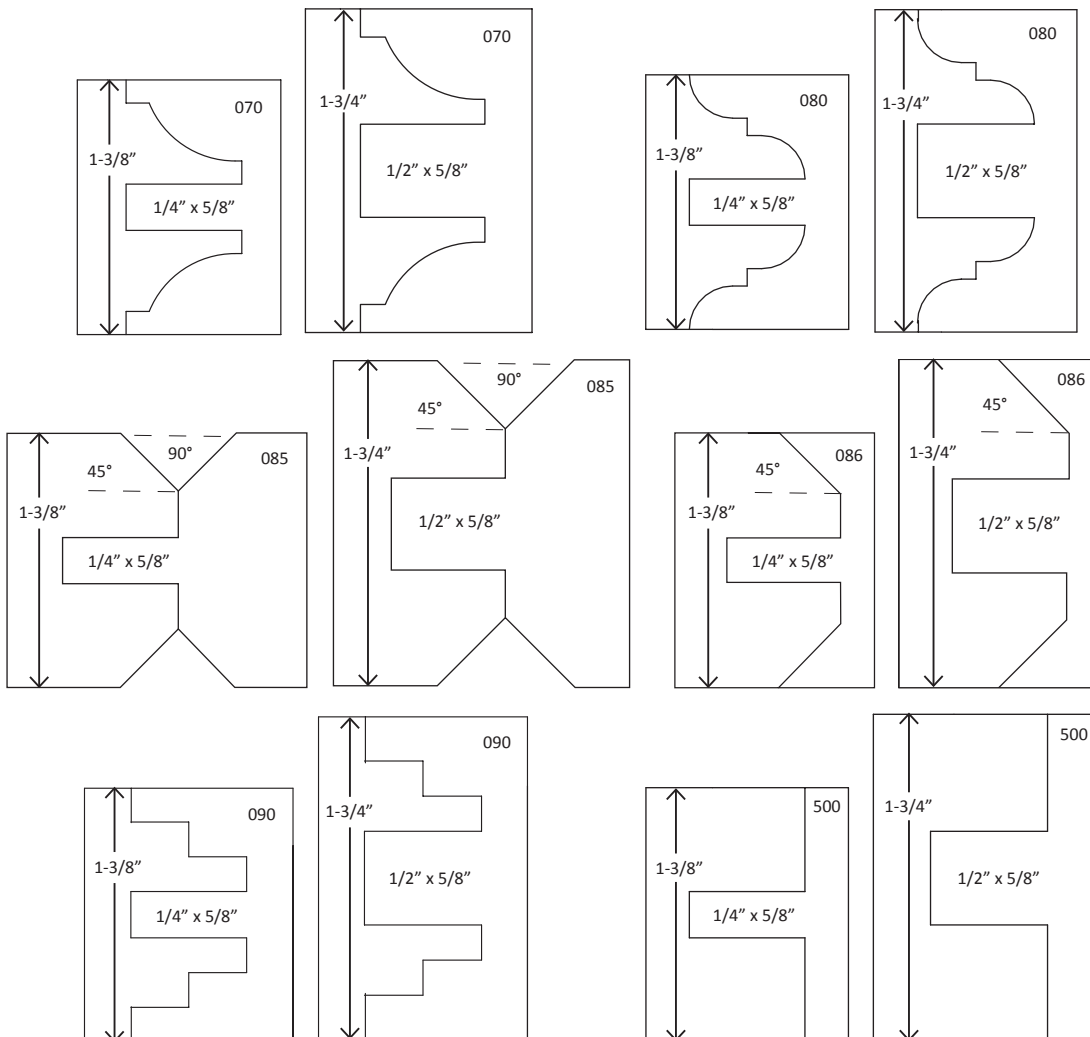
MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

NOTE: Profiles on this page (except 085) may be made as a window sash set.



- **Center Groover Sets** (substitutions at time of purchase only): page 94
- **Tongue & Groove/Eased Edge Glass Panel options:** page 94
- **Opposite Rotation:** add 20% to price; allow 3-4 weeks
- **Custom Order Freeborn Tooling:** page 128
- **Spindle Alignment:** page 129
- **Detailed Diagrams:** pages 131-132

BRAZED TOOLING DOUBLE SIDED COPE & PATTERN GROOVER OPTIONS 2 PIECE GROOVER SETS

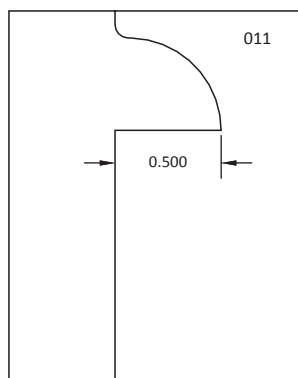
Sets consist of 2 groovers only.

DOUBLE SIDED COPE & PATTERN GROOVER OPTIONS 5/8" DEEP CENTER GROOVER CHART - NOT ADJUSTABLE				
SIZE	MINI PRO SET	PRICE	PRO LINE SET	PRICE
1/4" GROOVERS ONLY	MC-51-904	\$142.00	PC-11-904	\$167.00
			PT-11-904	\$185.00
3/8" GROOVERS ONLY	MC-51-903	\$142.00	PC-11-903	\$167.00
			PT-11-903	\$185.00
1/2" GROOVERS ONLY	MC-51-905	\$142.00	PC-11-905	\$167.00
			PT-11-905	\$185.00

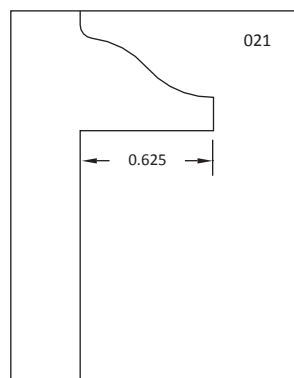
DOUBLE SIDED COPE & PATTERN GROOVER OPTIONS 1/2" DEEP CENTER GROOVER CHART - NOT ADJUSTABLE				
SIZE	MINI PRO SET	PRICE	PRO LINE SET	PRICE
1/4" x 1/2"	MC-51-906	\$142.00	PC-11-906	\$167.00
			PT-11-906	\$185.00
3/8" x 1/2"	MC-51-907	\$142.00	PC-11-907	\$167.00
			PT-11-907	\$185.00
1/2" x 1/2"	MC-51-908	\$142.00	PC-11-908	\$167.00
			PT-11-908	\$185.00

BRAZED TOOLING DOUBLE SIDED COPE & PATTERN GLASS PANEL OPTIONS 2 PIECE CUTTER SETS - These Glass Panel sets consist of 2" height groovers to allow a total material height of 2-1/2" when run with the profile cutters from your Cope and Pattern set. Any of the Double Sided Cope and Pattern profiles can be made into dedicated Glass Panel sets on request.

Profile shapes are for example only. Sets consist of 2 groovers only.



011 runs with:
010, 011, 022, 040, 041, 060, 500



021 runs with:
020, 021, 030, 050, 070, 080, 090, 500

DOUBLE SIDED COPE & PATTERN GLASS PANEL OPTIONS	
PART	PRICE
MC-52-011	\$203.00
MC-52-021	
PC-12-011	\$238.00
PC-12-021	
PT-12-011	\$262.00
PT-12-021	

- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129
- Detailed Diagrams: page 133

BRAZED TOOLING GLASS PANEL 4 PIECE CUTTER SETS - Each 4 piece set comes with 2 profile cutters and 2 glass panel groovers matched to the depth of the profile, either 1/2" or 5/8". In addition, for profiles 065-086 which have a different profile depth, you can choose between either the 1/2" or 5/8" deep glass panel cut.

GLASS PANEL 4 PIECE SETS SETS 010-GP TO 030-GP	
PART & MATERIAL	PRICE
MC-51-010-GP thru MC-51-030-GP	\$494.00
PC-11-010-GP thru PC-11-030-GP	\$581.00
PT-11-010-GP thru PT-11-030-GP	\$666.00

CCW rotation, material fed face down.

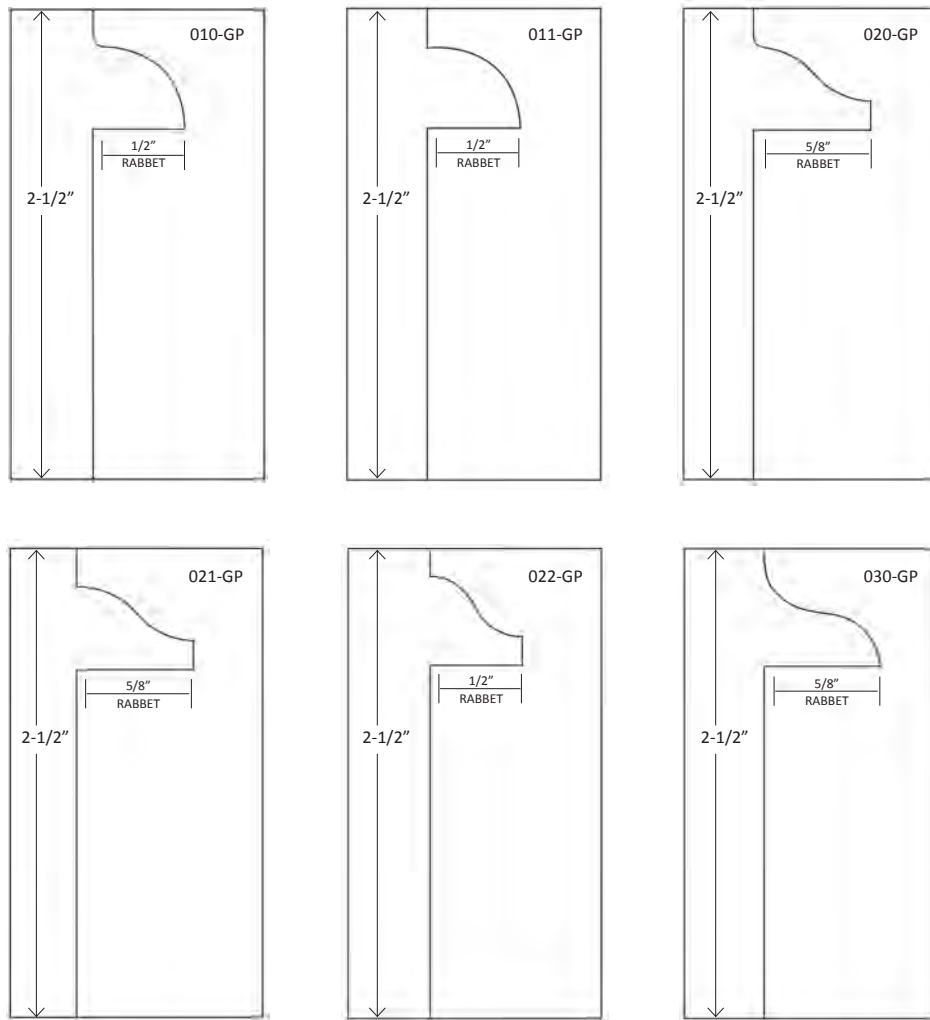
MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

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



- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129
- Detailed Diagrams: page 133

BRAZED TOOLING GLASS PANEL 4 PIECE CUTTER SETS - Each 4 piece set comes with 2 profile cutters and 2 glass panel groovers matched to the depth of the profile, either 1/2" or 5/8". In addition, for profiles 065-086 which have a different profile depth, you can choose between either the 1/2" or 5/8" deep glass panel cut.

GLASS PANEL 4 PIECE SETS SETS 040-GP TO 065-GP	
PART & MATERIAL	PRICE
MC-51-040-GP thru MC-51-065-GP	\$494.00
PC-11-040-GP thru PC-11-065-GP	\$581.00
PT-11-040-GP thru PT-11-065-GP	\$666.00

MINI-PRO 3/4" bore in Carbide (MC)

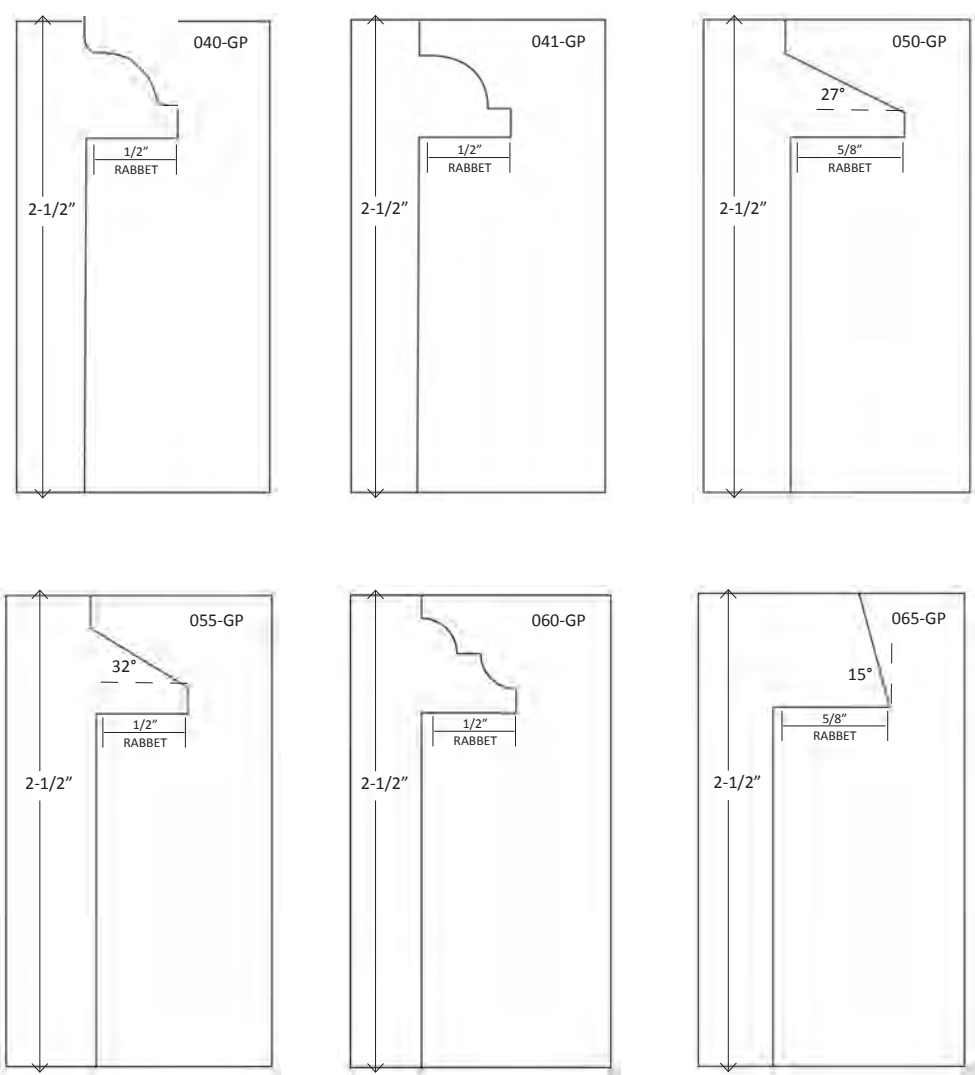
- 3 wing
- 2-15/16" diameter
- 3/4" bore
- Runs with 1-11/16" diameter rub bearing (AM-90-027)

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

CCW rotation, material fed face down.

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



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

BRAZED TOOLING GLASS PANEL 4 PIECE CUTTER SETS - Each 4 piece set comes with 2 profile cutters and 2 glass panel groovers matched to the depth of the profile, either 1/2" or 5/8". In addition, for profiles 065-086 which have a different profile depth, you can choose between either the 1/2" or 5/8" deep glass panel cut.

GLASS PANEL 4 PIECE SETS SETS 070-GP TO 500-GP	
PART & MATERIAL	PRICE
MC-51-070-GP thru MC-51-500-GP	\$494.00
PC-11-070-GP thru PC-11-500-GP	\$581.00
PT-11-070-GP thru PT-11-500-GP	\$666.00

MINI-PRO 3/4" bore in Carbide (MC)

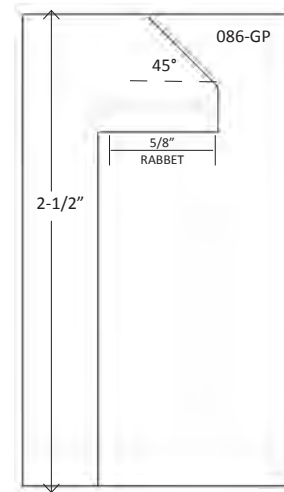
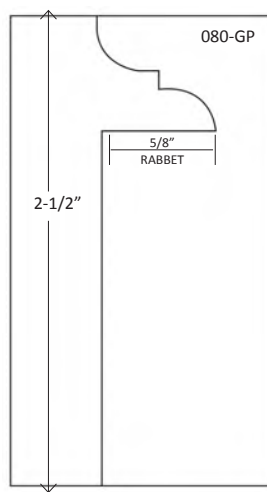
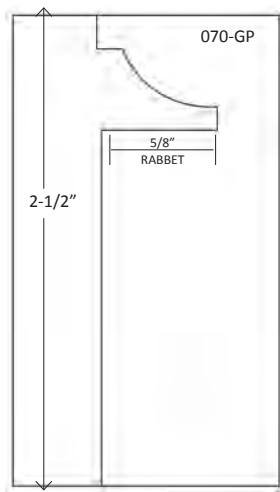
- 3 wing
- 2-15/16" diameter
- 3/4" bore
- Runs with 1-11/16" diameter rub bearing (AM-90-027)

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

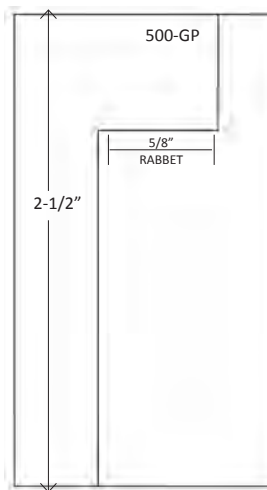
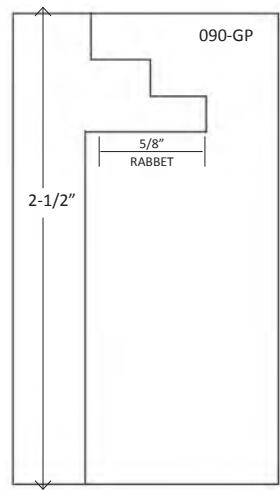
- 3 wing
- 4" diameter
- 1-1/4" bore
- Runs with 2-3/4" diameter rub bearing (AP-90-044)

CCW rotation, material fed face down.

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



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



- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129
- Detailed Diagrams: page 133

FREEBORN

RAISED PANEL SHAPER CUTTERS 3/4"

RAISED PANEL SHAPER CUTTERS 3/4" MATERIAL - Manufactured with 15° SHEAR to produce optimum cuts both with and across the grain. Counterclockwise rotation with wood fed face up.

NOTE: For opposite rotation add 20% to price and allow 3-4 weeks delivery.

RAISED PANEL SHAPER CUTTERS - 3/4" MATERIAL SETS 001 TO 009	
PART & MATERIAL	PRICE
MC-54-001 thru MC-54-009	\$259.00
PC-14-001 thru PC-14-009	\$303.00
PT-14-001 thru PT-14-009	\$334.00

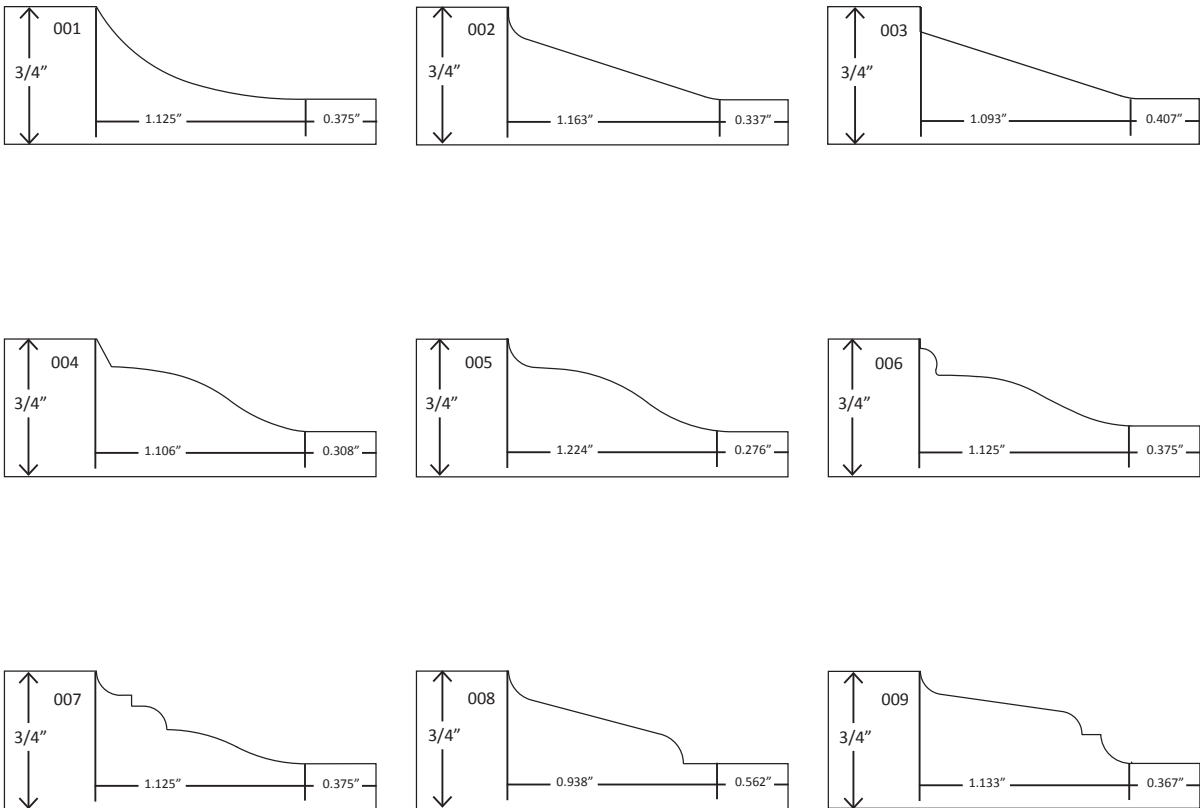
CCW rotation, material fed face up.

- MINI-PRO 3/4" bore in Carbide (MC)**

 - 3 wing
 - 4-1/2" diameter
 - 3/4" bore
 - Runs with 1-5/8" diameter rub bearing (AM-90-026)
- PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)**

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

Wood Samples shown ACTUAL SIZE



- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129
- Detailed Diagrams: page 134

RAISED PANEL SHAPER CUTTERS 3/4" MATERIAL - Manufactured with 15° SHEAR to produce optimum cuts both with and across the grain. Counterclockwise rotation with wood fed face up.

NOTE: For opposite rotation add 20% to price and allow 3-4 weeks delivery.

RAISED PANEL SHAPER CUTTERS - 3/4" MATERIAL SETS 010 TO 018	
PART & MATERIAL	PRICE
MC-54-010 thru MC-54-018	\$259.00
PC-14-010 thru PC-14-018	\$303.00
PT-14-010 thru PT-14-018	\$334.00

MINI-PRO 3/4" bore in Carbide (MC)

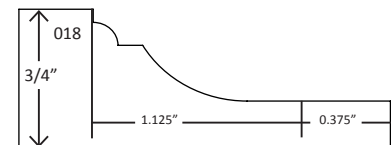
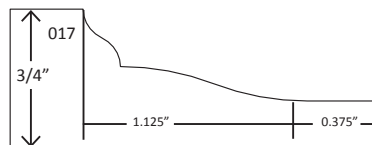
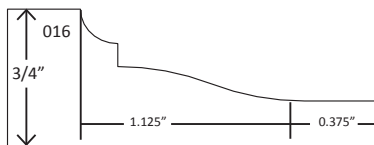
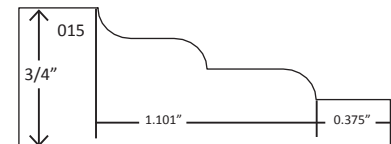
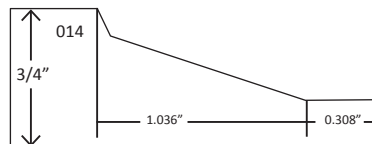
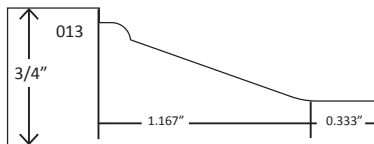
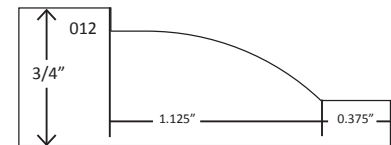
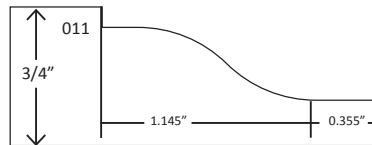
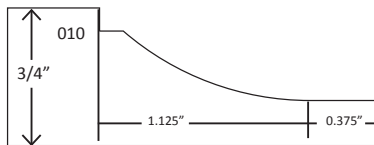
- 3 wing
- 4-1/2" diameter
- 3/4" bore
- Runs with 1-5/8" diameter rub bearing (AM-90-026)

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

CCW rotation, material fed face up.

Wood Samples shown ACTUAL SIZE



FREEBORN

RAISED PANEL SHAPER CUTTERS 5/8"

RAISED PANEL SHAPER CUTTERS 5/8" MATERIAL - Manufactured with 15° SHEAR to produce optimum cuts both with and across the grain. Counterclockwise rotation with wood fed face up.

NOTE: For opposite rotation add 20% to price and allow 3-4 weeks delivery.

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

RAISED PANEL SHAPER CUTTERS - 5/8" MATERIAL SETS 001 TO 009	
PART & MATERIAL	PRICE
MC-55-001 thru MC-55-009	\$259.00
PC-15-001 thru PC-15-009	\$303.00
PT-15-001 thru PT-15-009	\$334.00

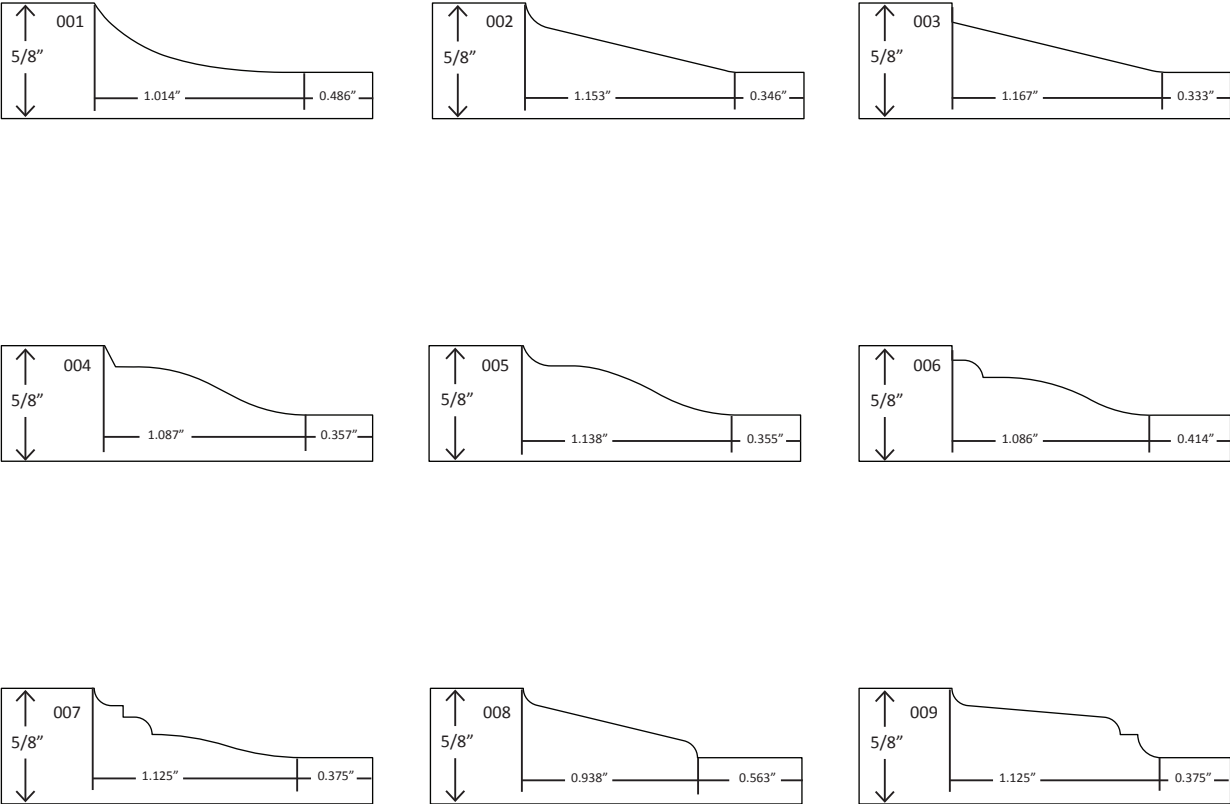
CCW rotation, material fed face up.

- MINI-PRO 3/4" bore in Carbide (MC)**

 - 3 wing
 - 4-1/2" diameter
 - 3/4" bore
 - Runs with 1-5/8" diameter rub bearing (AM-90-026)
- PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)**

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

Wood Samples shown ACTUAL SIZE



RAISED PANEL SHAPER CUTTERS 5/8" MATERIAL - Manufactured with 15° SHEAR to produce optimum cuts both with and across the grain. Counterclockwise rotation with wood fed face up.

NOTE: For opposite rotation add 20% to price and allow 3-4 weeks delivery.

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

RAISED PANEL SHAPER CUTTERS - 5/8" MATERIAL SETS 010 TO 018	
PART & MATERIAL	PRICE
MC-55-010 thru MC-55-018	\$259.00
PC-15-010 thru PC-15-018	\$303.00
PT-15-010 thru PT-15-018	\$334.00

CCW rotation, material fed face up.

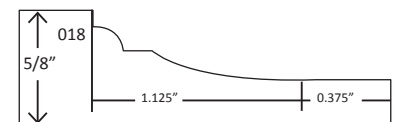
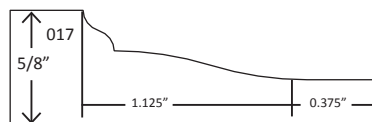
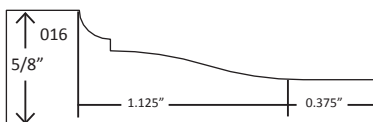
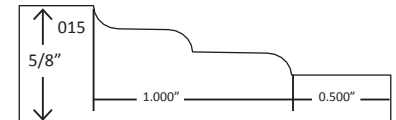
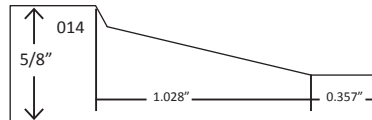
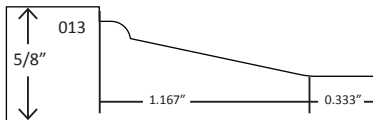
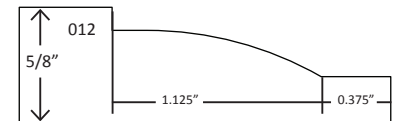
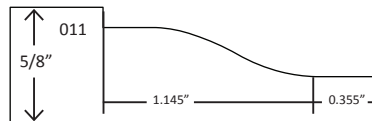
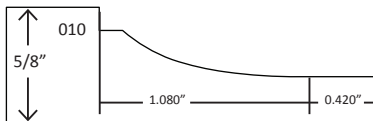
MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

Wood Samples shown ACTUAL SIZE

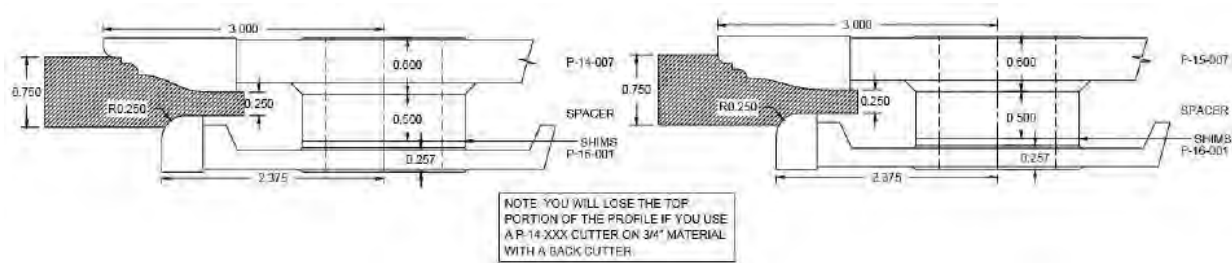


- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129
- Detailed Diagrams: page 134

FREEBORN

RAISED PANEL BACK CUTTERS - TONGUE TRIMMER

NOTE: YOU WILL LOSE THE TOP PORTION OF THE PROFILE IF YOU USE A 14-SERIES CUTTER ON 3/4" MATERIAL WITH A BACK CUTTER



MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

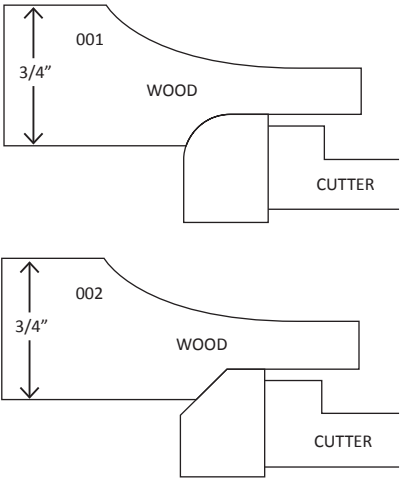
- 3 wing
- 4-3/4" diameter
- 1-1/4" bore
- Runs with 3" diameter rub bearing (AP-90-048)

BACK CUTTERS - RAISED PANEL 3/4" MATERIAL - Use with a 55/15 series raised panel for 3/4" material.

Wood Samples shown ACTUAL SIZE

Does not include Raised Panel Cutter

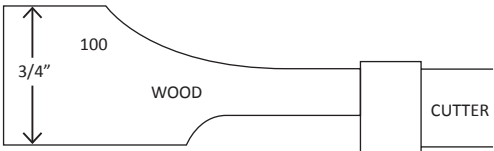
RAISED PANEL BACK CUTTERS - 3/4" MATERIAL 001 TO 002	
PART & MATERIAL	PRICE
MC-56-001 thru MC-56-002	\$190.00
PC-16-001 thru PC-16-002	\$223.00
PT-16-001 thru PT-16-002	\$245.00



RAISED PANEL TONGUE TRIMMER

Does not include Raised Panel Cutter

RAISED PANEL TONGUE TRIMMER 100	
PART & MATERIAL	PRICE
MC-56-100	\$101.00
PC-16-100	\$119.00
PT-16-100	\$133.00



- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129

PRO LINE RAISED PANEL SHAPER CUTTERS FOR 1/2" MATERIAL OR 3/4" MATERIAL DOUBLE-SIDED- Manufactured with 15° SHEAR to produce optimum cuts both with and across the grain. Counterclockwise rotation with wood fed face up. These raised panel cutters cut a 1-3/8" reveal plus a 3/8" long tongue to give 1-3/4" depth of cut. Reduce production time by adding an opposite rotation cutter, and produce double sided raised panels in a single pass. Rub bearing, spacers, and tongue trimmers available.

NOTE: For opposite rotation add 20% to price and allow 3-4 weeks delivery.

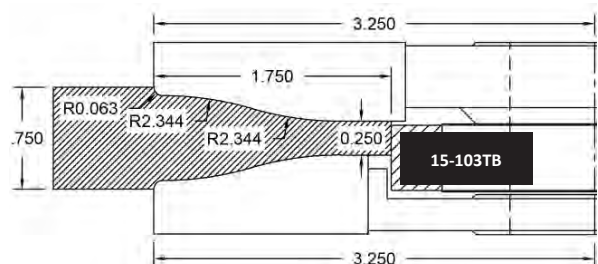
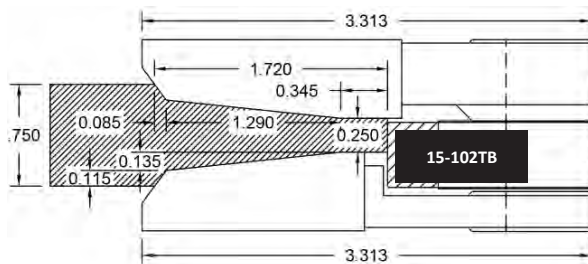
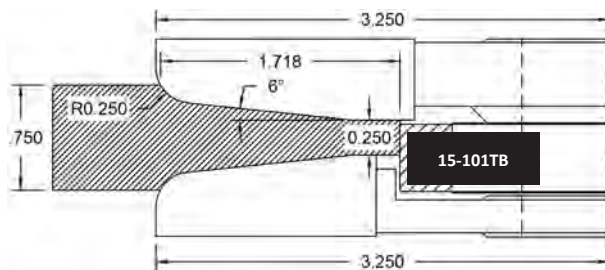
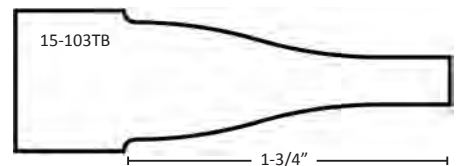
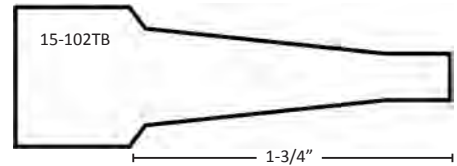
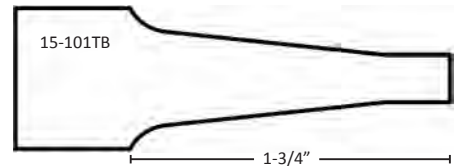
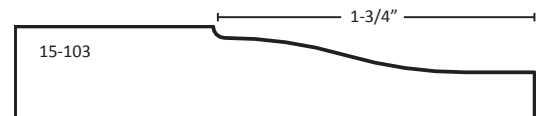
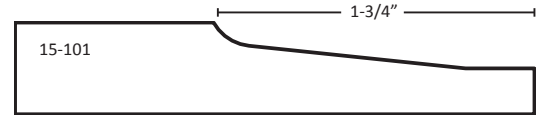
PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

- 3 wing
- 6-1/2" diameter
- 1-1/4" bore
- Runs with 3" diameter rub bearing (AP-90-048)

**PRO LINE RAISED PANEL SHAPER CUTTERS
101 TO 103**

PART	PRICE
PC-15-101 thru PC-15-103	\$303.00
PT-15-101 thru PT-15-103	\$334.00
CARBIDE TOP AND BOTTOM CUTTERS WITH BEARING	
PC-15-101TB thru PC-15-103TB	\$783.00
T-ALLOY TOP AND BOTTOM CUTTERS WITH BEARING	
PT-15-101TB thru PT-15-103TB	\$850.00

Wood Samples shown ACTUAL SIZE



FREEBORN

PRO LINE RAISED PANEL SHAPER CUTTERS 3/4" & 5/8"

PRO LINE RAISED PANEL SHAPER CUTTERS FOR 3/4" MATERIAL OR 5/8" MATERIAL - Manufactured with 15° SHEAR to produce optimum cuts both with and across the grain. Counterclockwise rotation with wood fed face up. These raised panel cutters cut a 2-1/2" depth.

Rub bearing, spacers, and tongue trimmers available.

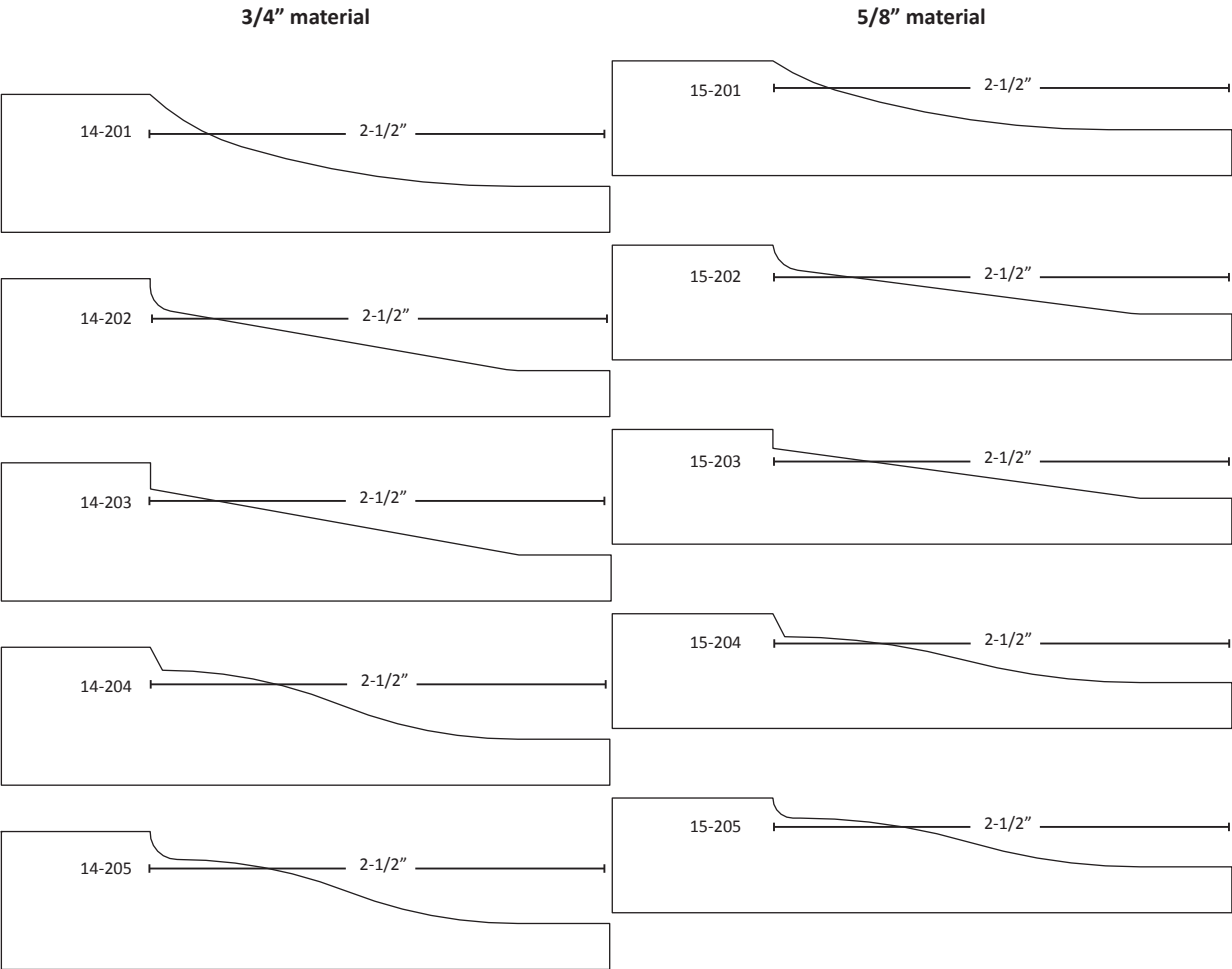
NOTE: For opposite rotation add 20% to price and allow 3-4 weeks delivery.

PRO LINE RAISED PANEL SHAPER CUTTERS 201 TO 205	
PART & MATERIAL	PRICE
3/4" MATERIAL	
PC-14-201 thru PC-14-205	\$365.00
PT-14-201 thru PT-14-205	\$402.00
5/8" MATERIAL	
PC-15-201 thru PC-15-205	\$365.00
PT-15-201 thru PT-15-205	\$402.00

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

- 3 wing
- Diameters vary from 7-1/4" to 7-1/2"
- 1-1/4" bore
- Runs with 2-1/4" diameter rub bearing (AP-90-036)
- 2-1/2" overall depth of cut
- 1/2" Tenon

Wood Samples shown ACTUAL SIZE



DOOR EDGE DETAIL SHAPER CUTTERS - Whether it is a 30 back bevel, fingerpull, 3/8" offset, or flush overlay door, we offer a wide selection to choose from. Wood samples shown actual size. Counterclockwise rotation with wood fed face up. NOTE: For opposite rotation add 20% to price and allow 3-4 weeks delivery.

DOOR EDGE DETAIL SHAPER CUTTERS 001 TO 032	
PART & MATERIAL	PRICE
MC-57-001 thru MC-57-032	\$214.00
PC-17-001 thru PC-17-032	\$252.00
PT-17-001 thru PT-17-032	\$278.00



MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

Wood Samples shown ACTUAL SIZE

001

002

003

004

005

006

007

008

009

010

011

012

013

014

015

016

017

018

019

020

021

022

023

024

032

029

Similar to 002 profile but .100 backout

For this finger pull detail the wood is cut at a 30° incline

57-029 has 4" diameter
17-029 has 4-1/2" diameter

DOOR EDGE DETAIL BEVEL CUTTERS - For a different angle or a wider bevel cutter see Custom Order Tooling on page 128.

DOOR EDGE DETAIL BEVEL CUTTERS 025 TO 036	
PART & MATERIAL	PRICE
MC-57-025 thru MC-57-036	\$182.00
PC-17-025 thru PC-17-036	\$214.00
PT-17-025 thru PT-17-036	\$236.00

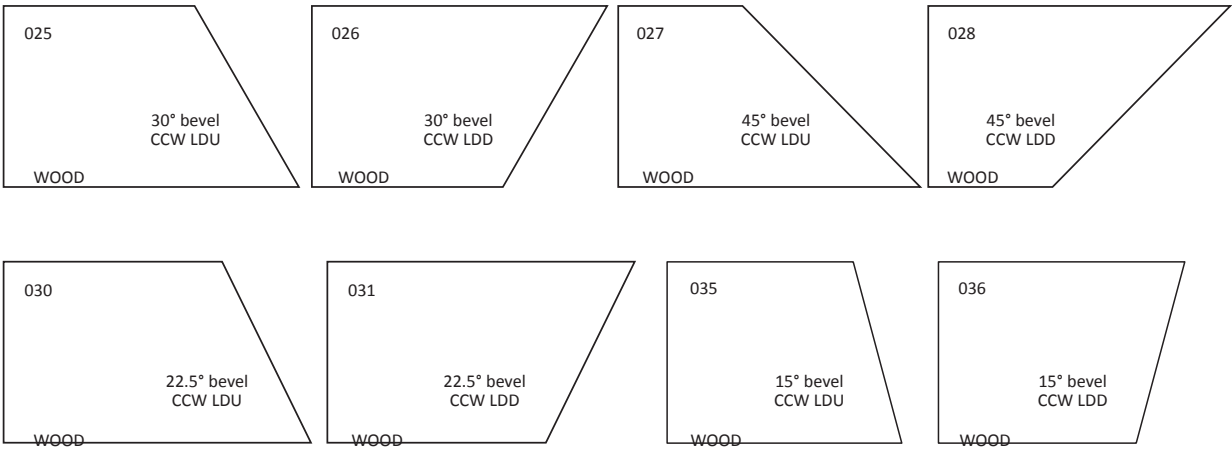
MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

Wood Samples shown ACTUAL SIZE

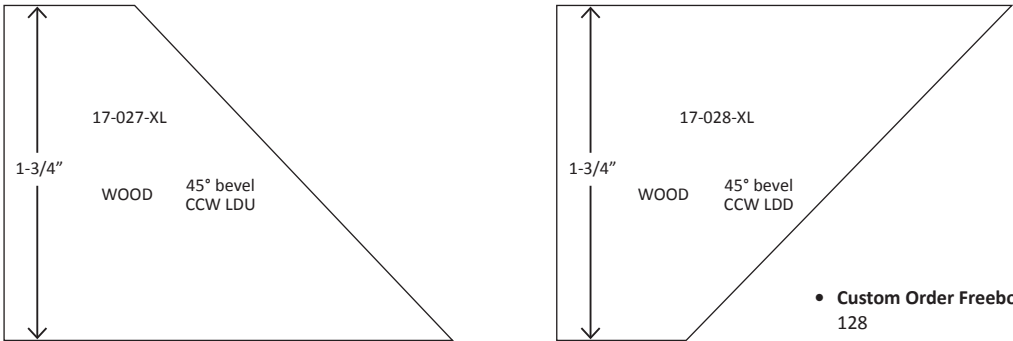


PRO LINE XL DOOR EDGE DETAIL BEVEL CUTTERS 17-027-XL TO 17-028-XL	
PART & MATERIAL	PRICE
PC-17-027-XL thru PC-17-028-XL	\$297.00
PT-17-027-XL thru PT-17-028-XL	\$326.00

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

Wood Samples shown ACTUAL SIZE



- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129

32MM HINGE SYSTEM DOOR EDGE DETAIL TOP CUTTERS 3/4" to 7/8" MATERIAL - Part number is for top cutter only.

Manufactured with 15° SHEAR to produce optimum cuts both with and across grain. Counterclockwise rotation with wood fed face up. Any top cutter is designed to nest and run with any bottom cutter on page 107. NOTE: For opposite rotation add 20% to price and allow 3-4 weeks delivery.

32MM DOOR EDGE DETAIL TOP CUTTERS 101 TO 116	
PART & MATERIAL	PRICE
MC-57-101 thru MC-57-116	\$214.00
PC-17-101 thru PC-17-116	\$252.00
PT-17-101 thru PT-17-116	\$278.00

Major Diameter varies with depth of cut

Wood Samples shown ACTUAL SIZE

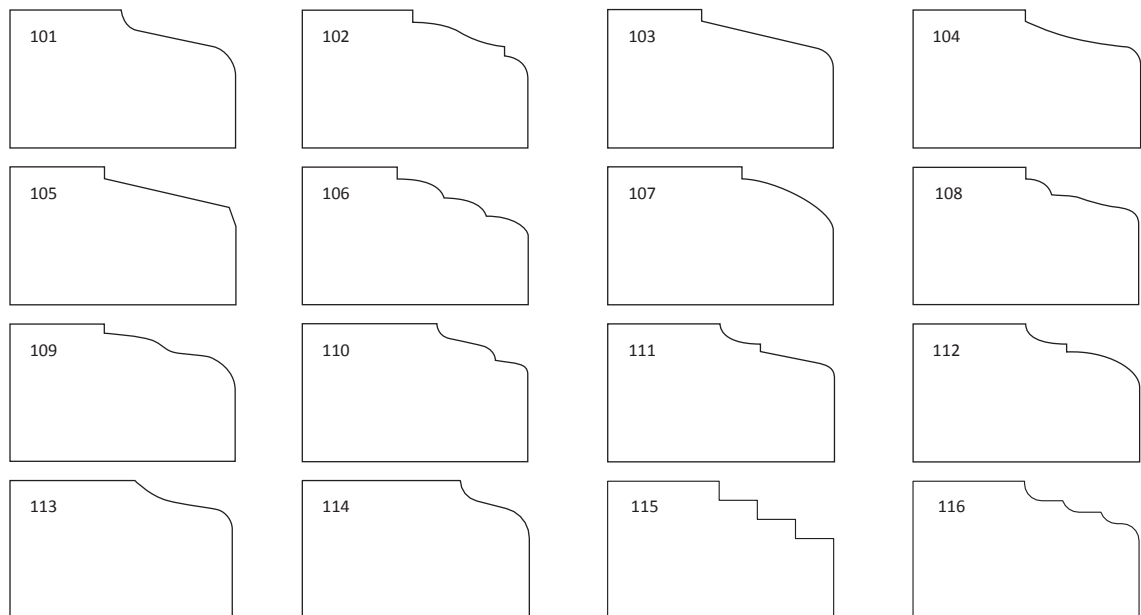
MINI-PRO 3/4" bore in Carbide (MC)

- 3 wing
- 3/4" bore
- 2-1/16" minor diameter
- Runs with 2-1/16" diameter rub bearing (AM-90-033)

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

- 3 wing
- 1-1/4" bore
- 3-1/16" minor diameter
- Runs with 3-1/16" diameter rub bearing (AP-90-049)

TOP CUTTER PROFILES - 3/4" to 7/8" material

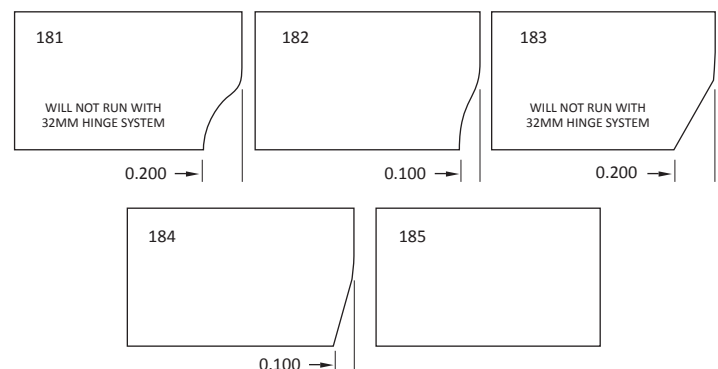


32MM HINGE SYSTEM DOOR EDGE BOTTOM CUTTERS - Part number is for bottom cutter only. Bottom cutters for 32mm Hinge Systems are designed to nest and run with any top cutter on pages 107-108. Selection of bottom cutter should depend upon the distance of the bored hole for the hinge from the edge of the door. Manufactured to the same specifications as all top cutters.

32MM DOOR EDGE DETAIL BOTTOM CUTTERS 181 TO 185	
PART & MATERIAL	PRICE
MC-57-181 thru MC-57-185	\$166.00
PC-17-181 thru PC-17-185	\$196.00
PT-17-181 thru PT-17-185	\$214.00

Wood Samples shown ACTUAL SIZE

BOTTOM CUTTER PROFILES



F10010L 6" diameter Custom Drawer Front Cutter: page 131

FREEBORN

32MM HINGE DOOR EDGE DETAIL TOP 7/8" TO 1"

32MM HINGE SYSTEM DOOR EDGE DETAIL TOP CUTTERS 7/8" to 1" MATERIAL - Part number is for top cutter only. Manufactured with 15° SHEAR to produce optimum cuts both with and across grain. Counterclockwise rotation with wood fed face up. Any top cutter is designed to nest and run with any bottom cutter on page 107. NOTE: For opposite rotation add 20% to price and allow 3-4 weeks delivery.

32MM DOOR EDGE DETAIL TOP CUTTERS 151 TO 162	
PART & MATERIAL	PRICE
MC-57-151 thru MC-57-162	\$214.00
PC-17-151 thru PC-17-162	\$252.00
PT-17-151 thru PT-17-162	\$278.00

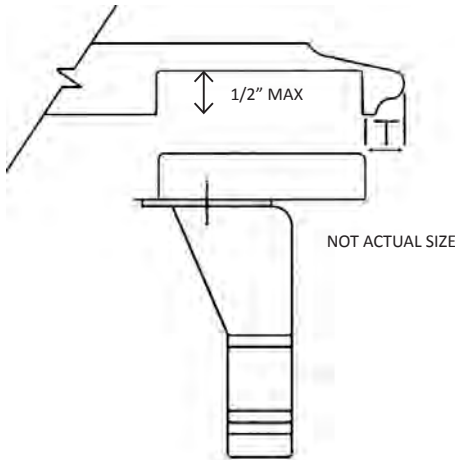
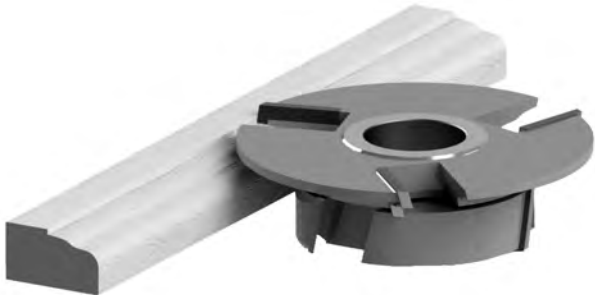
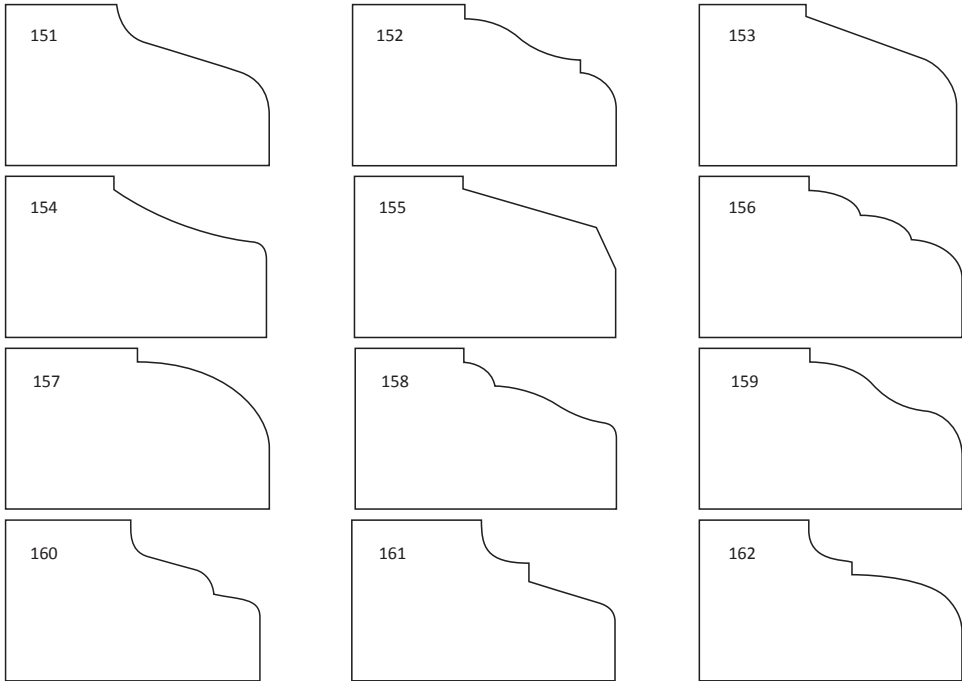
Major Diameter varies with depth of cut
Wood Samples shown ACTUAL SIZE

- MINI-PRO 3/4" bore in Carbide (MC)**

 - 3 wing
 - 3/4" bore
 - 2-1/16" minor diameter
 - Runs with 2-1/16" diameter rub bearing (AM-90-033)
- PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)**

 - 3 wing
 - 1-1/4" bore
 - 3-1/16" minor diameter
 - Runs with 3-1/16" diameter rub bearing (AP-90-049)

TOP CUTTER PROFILES - 7/8" to 1" material



F10010L 6" diameter Custom Drawer Front Cutter: page 131

BEAD CUTTERS							
MC PART	PRICE		PC PART	PRICE		PT PART	PRICE
MC-57-040	\$145		PC-17-040	\$172		PT-17-040	\$189
MC-57-041	\$145		PC-17-041	\$172		PT-17-041	\$189
MC-57-042	\$154		PC-17-042	\$181		PT-17-042	\$199
MC-57-043	\$166		PC-17-043	\$196		PT-17-043	\$215
MC-57-044	\$145		PC-17-044	\$172		PT-17-044	\$189
MC-57-045	\$145		PC-17-045	\$181		PT-17-045	\$199
MC-57-046	\$145		PC-17-046	\$196		PT-17-046	\$215

MINI-PRO 3/4" bore in Carbide (MC)

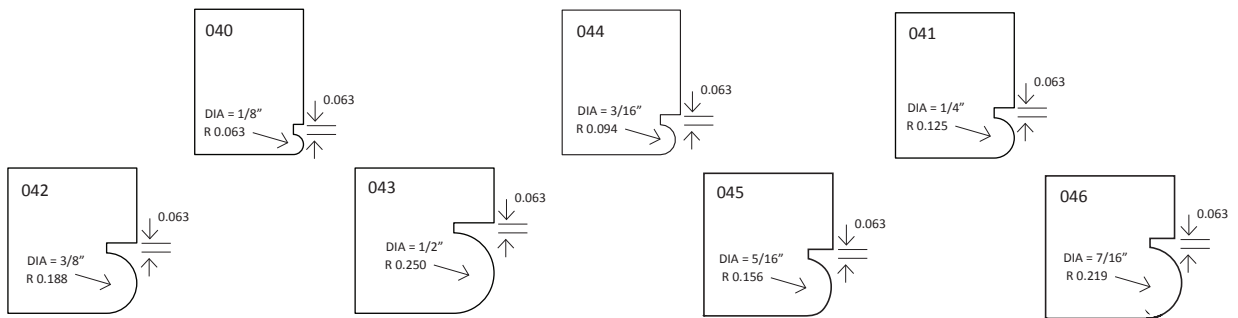
- 3 wing
- 3/4" bore
- 2-15/16" diameter

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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



Wood Samples shown ACTUAL SIZE

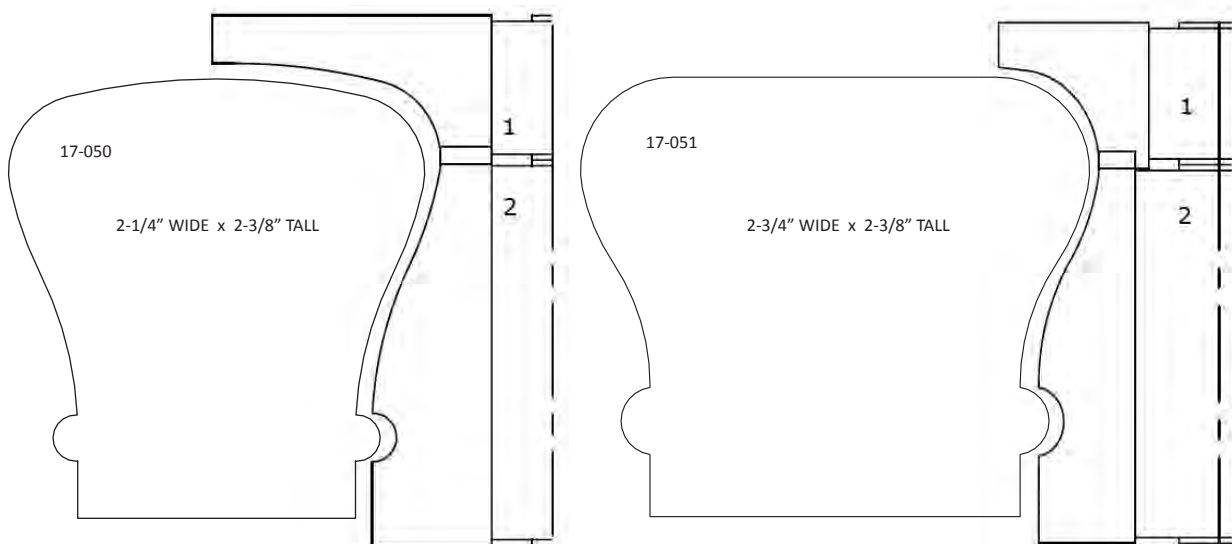


PRO LINE HANDRAIL CUTTERS 2 PC SET 17-050 TO 17-051	
PART & MATERIAL	PRICE
PC-17-050 thru PC-17-051	\$452.00
PT-17-050 thru PT-17-051	\$500.00

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

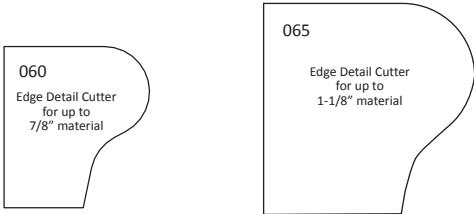
- 3 wing
- 1-1/4" bore
- 17-050 is 5-1/4" diameter
- 17-051 is 4" diameter

Wood Samples shown ACTUAL SIZE



WINDOW SILL CUTTERS 060 OR 065	
PART & MATERIAL	PRICE
MC-57-060 or MC-57-065	\$214.00
PC-17-060 or PC-17-065	\$252.00
PT-17-060 or PT-17-065	\$278.00

Wood Samples shown ACTUAL SIZE



MINI-PRO 3/4" bore in Carbide (MC)

- 3 wing
- 3/4" bore
- 2-15/16" diameter
- 1-1/8" tips

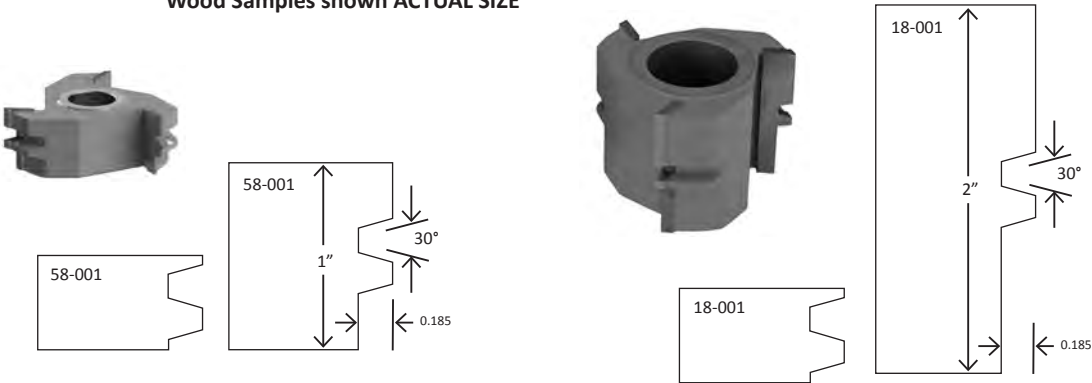
PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

- 3 wing
- 1-1/4" bore
- 4" diameter
- 1-1/8" tips

REVERSIBLE GLUE JOINT - Creates an incredibly strong joint by interlocking the glue surfaces.

REVERSIBLE GLUE JOINT 001	
PART & MATERIAL	PRICE
1/2" to 7/8" MATERIAL	
MC-58-001	\$284.00
1/2" to 1-7/8" MATERIAL	
PC-18-001	\$333.00
PT-18-001	\$333.00

Wood Samples shown ACTUAL SIZE



MINI-PRO 3/4" bore in Carbide (MC)

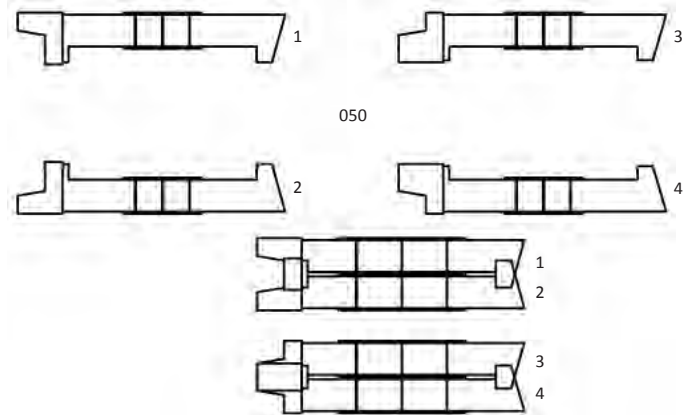
- 3 wing
- 3/4" bore
- 2-15/16" diameter
- 1" wide tips
- Cuts from 1/2" to 7/8" material

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

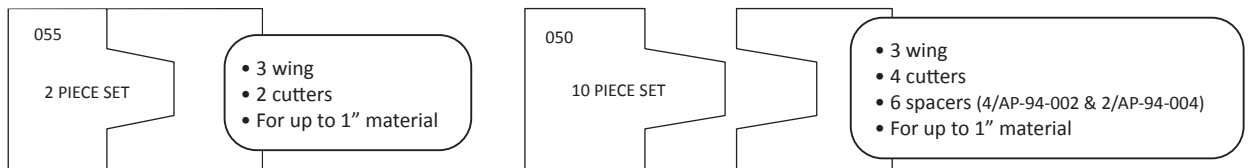
- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129

WEDGE TONGUE & GROOVE 050 OR 055	
PART & MATERIAL	PRICE
050 - 10 PIECE SET	
MC-59-050	\$438.00
PC-19-050	\$515.00
PT-19-050	\$566.00
055 - 2 PIECE SET	
MC-59-055	\$383.00
PC-19-055	\$497.00
PT-19-055	\$548.00

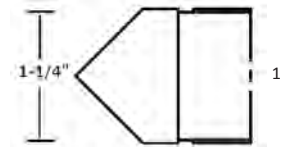


Detailed Diagrams: page 134

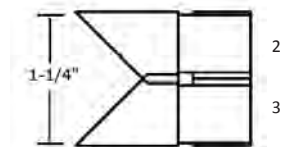
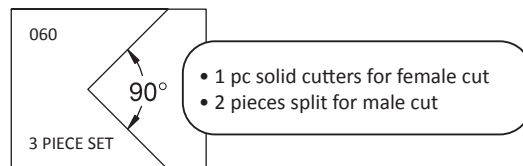
Wood Samples shown ACTUAL SIZE



EDGE BANDING 060 - 3 PIECE SET	
PART & MATERIAL	PRICE
MC-59-060	\$421.00
PC-19-060	\$495.00
PT-19-060	\$545.00



Wood Sample shown ACTUAL SIZE

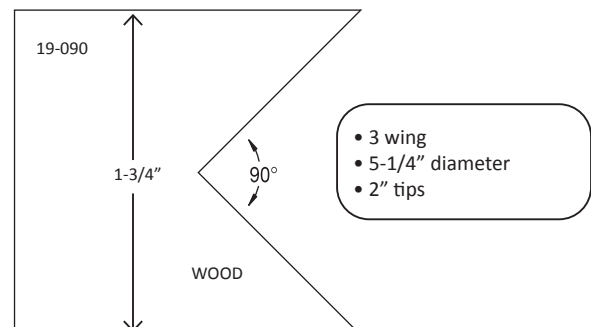


PRO LINE V-GROOVE DETAIL CUTTER - Single cutter cuts "V" into wood.

Wood Sample shown ACTUAL SIZE

PRO LINE V-GROOVE DETAIL CUTTER 19-090	
PART & MATERIAL	PRICE
PC-19-090	\$495.00
PT-19-090	\$545.00

Detailed Diagrams: page 136



F10010L 6" diameter Custom Drawer Front Cutter: page 131

V-PANELING SHAPER CUTTER 6 PIECE SET - V-Paneling shaper cutter 6 piece set consists of 5 cutters and 1 spacer to perform these 4 functions. Counterclockwise rotation with wood fed face down. These sets do not share a common minor diameter.

V-PANELING SHAPER CUTTER SET 010 - 6 PIECE SET	
PART & MATERIAL	PRICE
MC-59-010	\$535.00
PC-19-010	\$630.00
PT-19-010	\$693.00

Wood Samples shown **ACTUAL SIZE**

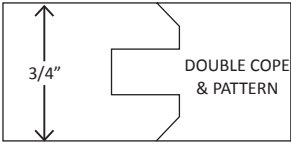
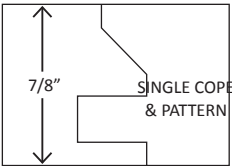
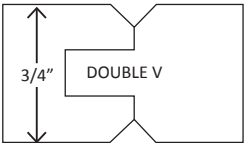
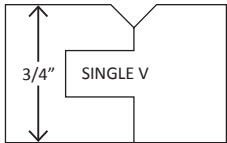
MINI-PRO 3/4" bore in Carbide (MC)

- 3 wing
- 3/4" bore
- 2-15/16" diameter
- Runs with 2-3/16" diameter rub bearing (AM-90-035)

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

3/4" to 1" material



Cutter Stacking for V-Paneling Cutter Set

SINGLE V

DOUBLE V

SINGLE COPE & PATTERN

DOUBLE COPE & PATTERN

7 PIECE FLOORING SET - 7 piece flooring set consists of 6 cutters and 1 spacer to perform these 5 functions. Cut provides a loose fit (.030) for wood expansion. Set up instructions included. Counterclockwise rotation with wood fed face down.

7 PIECE FLOORING SET 020 - 7 PIECE SET	
PART & MATERIAL	PRICE
MC-59-020	\$535.00
PC-19-020	\$630.00
PT-19-020	\$693.00

Profiles are designed to have a .030" gap
Wood Samples shown ACTUAL SIZE

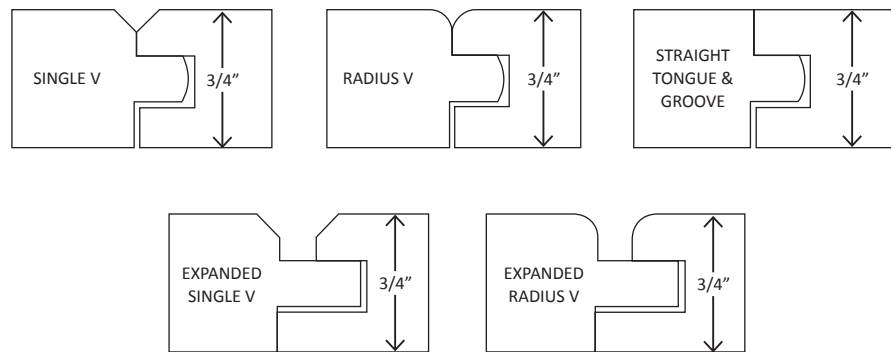
MINI-PRO 3/4" bore in Carbide (MC)

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

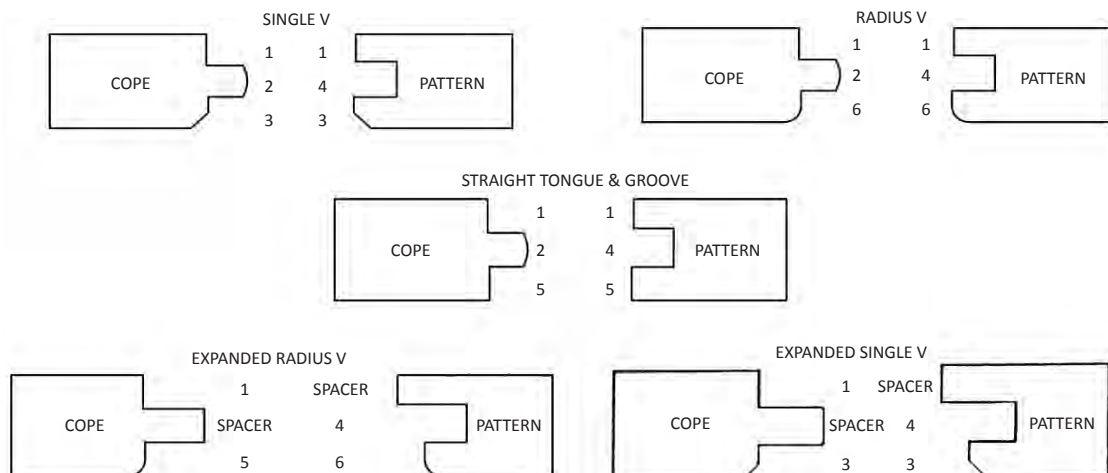
PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

3/4" to 1" material



Cutter Stacking for 7 Piece Flooring Set

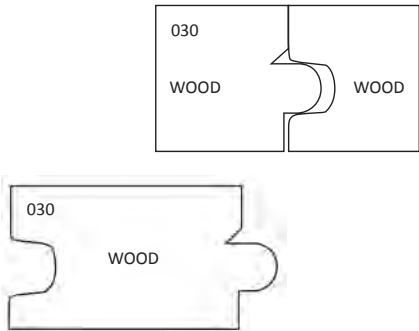


- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129

5 PIECE FLOORING SET WITH NAIL SLOT - Set includes 5 cutters to perform the cut as shown. Counterclockwise rotation with wood fed face down. Up to 1-1/4" material.

5 PIECE FLOORING SET WITH NAIL SLOT 030 - 5 PIECE SET	
PART & MATERIAL	PRICE
MC-59-030	\$535.00
PC-19-030	\$630.00
PT-19-030	\$693.00

Wood Samples shown ACTUAL SIZE
Up to 1-1/4" material

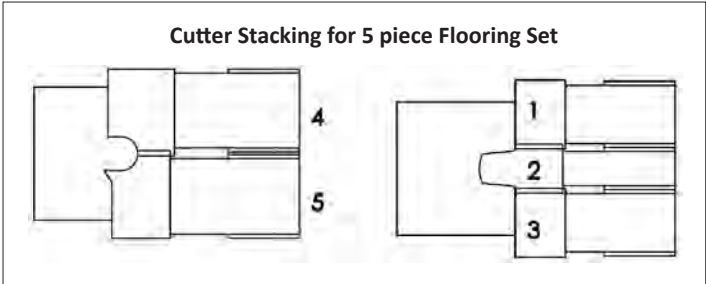


MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

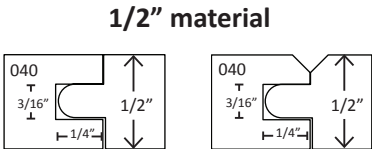
- 3 wing
- 1-1/4" bore
- 4" diameter



8 PIECE FLOORING / V-PANEL SET FOR 1/2" MATERIAL - Set includes 8 cutters to perform the two cuts as shown. Counterclockwise rotation with wood fed face down. Cut provides a 0.010" loose fit to allow for wood expansion.

8 PIECE FLOORING / V-PANEL SET 040 - 8 PIECE SET	
PART & MATERIAL	PRICE
MC-59-040	\$535.00
PC-19-040	\$630.00
PT-19-040	\$693.00

Wood Samples shown ACTUAL SIZE

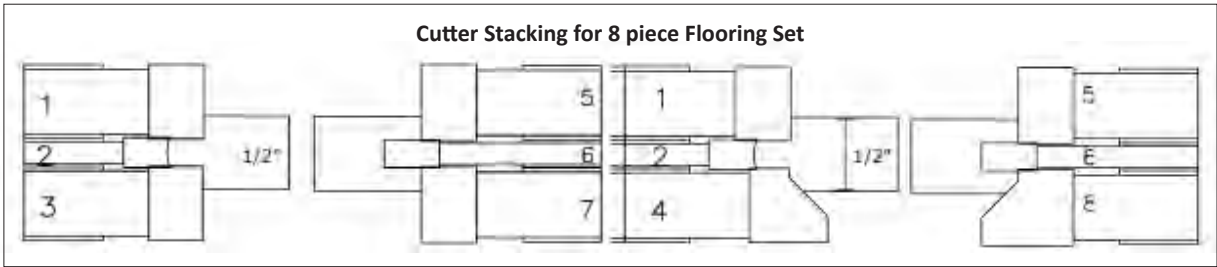


MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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



V-PANEL - QUARTER COVE CONVEX - REVERSIBLE PATTERN DETAILFREEBORN

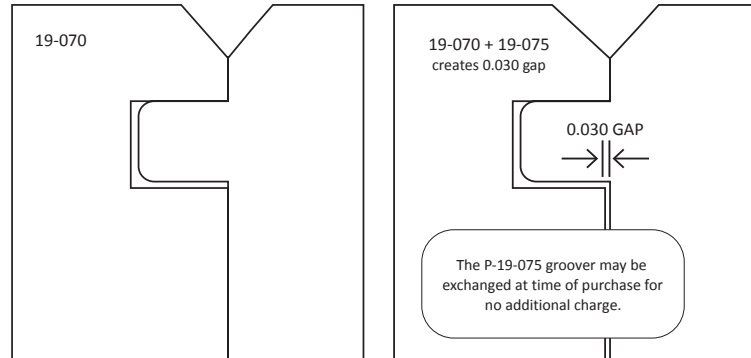
PRO-LINE

- Carbide (PC) or T-Alloy (PT)
- 3 wing
- 1-1/4" bore
- 4" diameter

PRO LINE V-PANEL SET FOR 2" MATERIAL 19-070 - 5 PIECE SET

PART & MATERIAL	PRICE
PC-19-070	\$722.00
PT-19-070	\$793.00
19-075 GROOVER creates 0.030 gap	
PC-19-075	\$130.00
PT-19-075	\$143.00

Wood Samples shown ACTUAL SIZE



Detailed Diagrams: page 135



MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

QUARTER COVE CONVEX CUTTERS

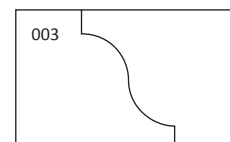
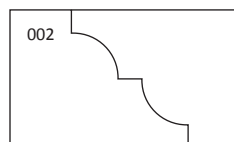
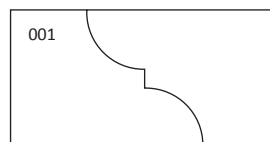
RADIUS/WIDTH	MC PART	PRICE	PC PART	PRICE	PT PART	PRICE
1/8"	MC-60-002	\$84.00	PC-20-002	\$99.00	PT-20-002	\$119.00
1/4"	MC-60-004	\$102.00	PC-20-004	\$120.00	PT-20-004	\$133.00
3/8"	MC-60-006	\$120.00	PC-20-006	\$142.00	PT-20-006	\$156.00
1/2"	MC-60-008	\$134.00	PC-20-008	\$158.00	PT-20-008	\$174.00
3/4"	MC-60-012	\$167.00	PC-20-012	\$196.00	PT-20-012	\$216.00
1"			PC-20-016	\$237.00	PT-20-016	\$263.00

REVERSIBLE PATTERN DETAIL - After machining two pieces of wood, one piece may be inverted and plugged into its mate, forming a matched joint. Counterclockwise rotation with wood fed face up.

REVERSIBLE PATTERN DETAIL 001 TO 003

PART & MATERIAL	PRICE
MC-61-001 thru MC-61-003	\$179.00
PC-21-001 thru PC-21-003	\$211.00
PT-21-001 thru PT-21-003	\$231.00

Wood Samples shown ACTUAL SIZE



MINI-PRO 3/4" bore in Carbide (MC)

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

PRO-LINE 1-1/4" bore in Carbide (PC) or T-Alloy (PT)

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

F10010L 6" diameter Custom Drawer Front Cutter: page 131

STRAIGHT TOP GROOVERS - Ideal for cutting grooves, rabbets, and for flush trimming.


MINI-PRO in Carbide (MC)

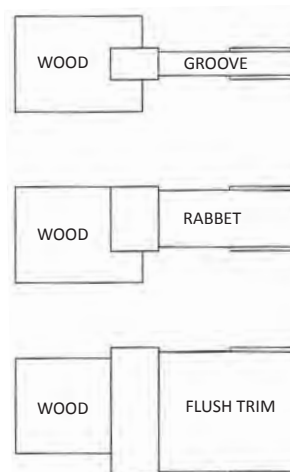
- 3 wing
- 3/4" bore
- 2-15/16" diameter
- Uses 2-15/16" rub bearing (AM-90-047) for flush trim application

PRO-LINE in Carbide (PC) or T-Alloy (PT)

- 3 wing
- 1-1/4" bore
- 4" diameter
- Uses 4" rub bearing (AP-90-064) for flush trim application

STRAIGHT TOP GROOVERS

MC PART	PRICE	PC PART	PRICE	PT PART	PRICE	RADIUS
MC-62-002	\$71.00	PC-22-002	\$84.00	PT-22-002	\$93.00	1/8"
MC-62-003	\$71.00	PC-22-003	\$84.00	PT-22-003	\$93.00	3/16"
MC-62-004	\$71.00	PC-22-004	\$84.00	PT-22-004	\$93.00	1/4"
MC-62-005	\$71.00	PC-22-005	\$84.00	PT-22-005	\$93.00	5/16"
MC-62-006	\$71.00	PC-22-006	\$84.00	PT-22-006	\$93.00	3/8"
MC-62-007	\$74.00	PC-22-007	\$88.00	PT-22-007	\$97.00	7/16"
MC-62-008	\$79.00	PC-22-008	\$94.00	PT-22-008	\$102.00	1/2"
MC-62-010	\$82.00	PC-22-010	\$96.00	PT-22-010	\$106.00	5/8"
MC-62-012	\$86.00	PC-22-012	\$100.00	PT-22-012	\$111.00	3/4"
MC-62-014	\$89.00	PC-22-014	\$105.00	PT-22-014	\$116.00	7/8"
MC-62-016	\$93.00	PC-22-016	\$109.00	PT-22-016	\$120.00	1"
MC-62-020	\$100.00	PC-22-020	\$118.00	PT-22-020	\$129.00	1-1/4"
MC-62-024	\$111.00	PC-22-024	\$130.00	PT-22-024	\$143.00	1-1/2"
MC-62-028	\$124.00	PC-22-028	\$145.00	PT-22-028	\$161.00	1-3/4"
MC-62-032	\$134.00	PC-22-032	\$158.00	PT-22-032	\$174.00	2"


PRO LINE STRAIGHT TOP GROOVERS

GC PART	DIAMETER	WINGS	KERF	PRICE
GC-0406-.250	4"	6	1/4"	\$198.00
GC-0406-.375	4"	6	3/8"	\$203.00
GC-0406-.500	4"	6	1/2"	\$213.00
GC-0406-.750	4"	6	3/4"	\$235.00
GC-0608-.250	6"	8	1/4"	\$231.00
GC-0608-.375	6"	8	3/8"	\$240.00
GC-0608-.500	6"	8	1/2"	\$248.00
GC-0608-.750	6"	8	3/4"	\$276.00
GC-0812-.250	8"	12	1/4"	\$259.00
GC-0812-.375	8"	12	3/8"	\$268.00
GC-0812-.500	8"	12	1/2"	\$279.00
GC-0812-.750	8"	12	3/4"	\$310.00

PRO-LINE in Carbide (PC) or T-Alloy (PT)

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



- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129

MINI-PRO in Carbide (MC)

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

PRO-LINE in Carbide (PC) or T-Alloy (PT)

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



HALF ROUND CONVEX FLUTE SHAPER CUTTERS							
MC PART	PRICE	PC PART	PRICE	PT PART	PRICE	WIDTH	RADIUS
MC-63-002	\$77.00	PC-23-002	\$89.00	PT-23-002	\$98.00	1/4"	1/8"
MC-63-003	\$82.00	PC-23-003	\$96.00	PT-23-003	\$105.00	3/8"	3/16"
MC-63-004	\$93.00	PC-23-004	\$109.00	PT-23-004	\$119.00	1/2"	1/4"
MC-63-006	\$102.00	PC-23-006	\$120.00	PT-23-006	\$113.00	3/4"	3/8"
MC-63-008	\$129.00	PC-23-008	\$152.00	PT-23-008	\$167.00	1"	1/2"

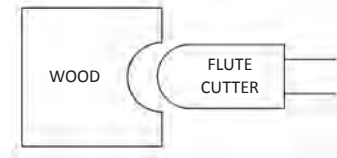


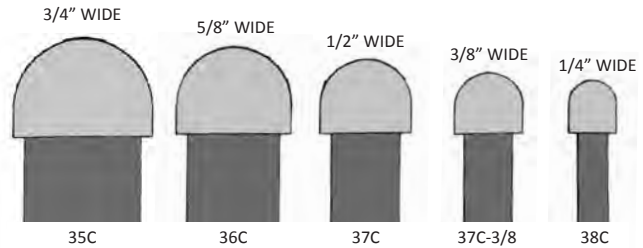
TABLE SAW FLUTE COST CUTTERS - Larger 6-1/2" diameter for up to 2-1/2" deep flute cuts. 5/8" bore and 4 wing for use on table saw. Tilted 30° for continuous wood pull. Hand sand to break sharp edge. Carbide tips.

TABLE SAW FLUTE COST CUTTERS 35C TO 38C		
PART	WIDTH	PRICE
35C	3/4"	\$325.00
36C	5/8"	\$319.00
37C	1/2"	\$299.00
37C-3/8"	3/8"	\$279.00
38C	1/4"	\$249.00



TABLE SAW FLUTE COST CUTTERS

- 4 wing
- 5/8" bore
- 6-1/2" diameter
- Carbide tips
- Up to 2-1/2" deep flute cuts



MINI-PRO in Carbide (MC)

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

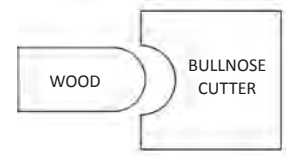
PRO-LINE in Carbide (PC) or T-Alloy (PT)

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



All concave cutters have .030" flare for easy bullnosing.

HALF ROUND CONCAVE BULLNOSE SHAPER CUTTERS							
MC PART	PRICE	PC PART	PRICE	PT PART	PRICE	WIDTH	RADIUS
MC-64-002	\$93.00	PC-24-002	\$109.00	PT-24-002	\$119.00	1/4"	1/8"
MC-64-003	\$99.00	PC-24-003	\$117.00	PT-24-003	\$128.00	3/8"	3/16"
MC-64-004	\$106.00	PC-24-004	\$125.00	PT-24-004	\$137.00	1/2"	1/4"
MC-64-006	\$197.00	PC-24-006	\$232.00	PT-24-006	\$255.00	3/4"	3/8"
MC-64-008	\$247.00	PC-24-008	\$292.00	PT-24-008	\$320.00	1"	1/2"
MC-64-009	\$258.00	PC-24-009	\$303.00	PT-24-009	\$334.00	1-1/8"	9/16"
MC-64-010	\$278.00	PC-24-010	\$327.00	PT-24-010	\$360.00	1-1/4"	5/8"
		PC-24-012	\$387.00	PT-24-012	\$426.00	1-1/2"	3/4"



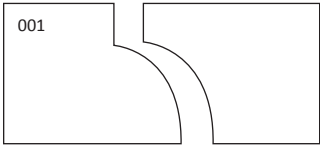
FREEBORN

MATCHED DROP LEAF - WINDOW SASH CUTTERS

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

MATCHED DROP LEAF 001	
PART & MATERIAL	PRICE
MC-66-001	\$214.00
PC-26-001	\$252.00
PT-26-001	\$278.00

Wood Sample shown ACTUAL SIZE



MINI-PRO in Carbide (MC)

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

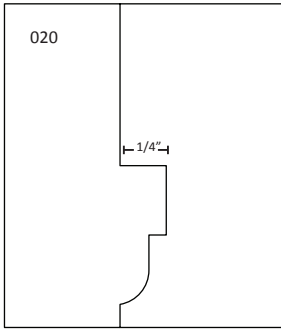
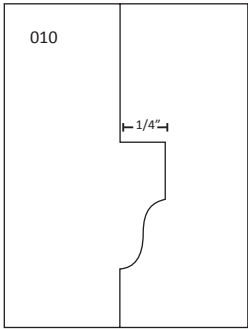
PRO-LINE in Carbide (PC) or T-Alloy (PT)

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

WINDOW SASH 4 PIECE CUTTER SET - These window sash profiles are common in many older homes. They are made to cut stock up to 1-3/4". Counterclockwise rotation with wood fed face down. Rabbet depth is 1/4".

WINDOW SASH CUTTER SET 010 OR 020 - 4 PIECE SET	
PART & MATERIAL	PRICE
MC-67-010 or MC-67-020	\$494.00
PC-27-010 or PC-27-020	\$581.00
PT-27-010 or PT-27-020	\$640.00

Wood Samples shown ACTUAL SIZE
Rabbet depth is 1/4"



PRO LINE WINDOW SASH 5 PIECE CUTTER SET FOR MORTISE & TENON - This Window set is designed to allow a variable tenon length of up to 2-1/2" (4 Cutters, 1 Spacer (AP-94-004) plus shims per set. Counterclockwise rotation with wood fed face down. Rabbet depth is 1/4".

PRO-LINE in Carbide (PC) or T-Alloy (PT)

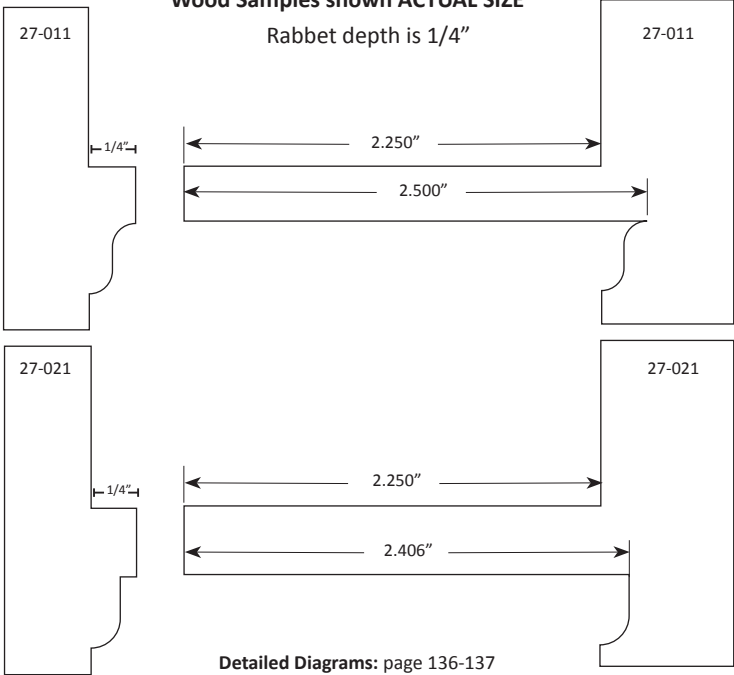
- 3 wing
- 1-1/4" bore only
- Largest cutter is 7" diameter

PRO LINE WINDOW SASH CUTTER SET FOR MORTISE & TENON 011 OR 021 - 5 PIECE SET	
PART & MATERIAL	PRICE
PC-27-011 or PC-27-021	\$764.00
PT-27-011 or PT-27-021	\$840.00



Largest cutter is 7"

Wood Samples shown ACTUAL SIZE
Rabbet depth is 1/4"



Detailed Diagrams: page 136-137

Lock Miter Cutter setup instructions: page 121

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

- Part B is run flat in horizontal position on shaper table.
- Part A is run in a vertical position against the shaper fence.

Lock miter setup instructions on page 121



ONE PIECE DOUBLE TONGUE & GROOVE LOCK MITRE CUTTER	
PART & MATERIAL	PRICE
030	
MC-68-030	\$246.00
PC-28-030	\$288.00
PT-28-030	\$318.00
001	
MC-68-001	\$297.00
PC-28-001	\$349.00
PT-28-001	\$384.00
035	
MC-68-035	\$297.00
PC-28-035	\$288.00
PT-28-035	\$318.00
PRO LINE 28-040	
PC-28-040	\$524.00
PT-28-040	\$576.00

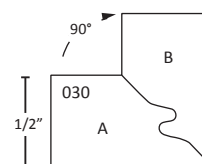
030 for 1/2" material

MINI-PRO

- Carbide (MC)
- 3 wing
- 3/4" bore
- 2-15/16" diameter
- 3/4" wide tips

PRO-LINE

- Carbide (PC) or T-Alloy (PT)
- 3 wing
- 1-1/4" bore
- 4" diameter
- 3/4" wide tips



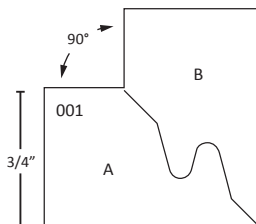
001 for 3/4" to 1" material

MINI-PRO

- Carbide (MC)
- 3 wing
- 3/4" bore
- 4.05" diameter
- 1-1/8" wide tips

PRO-LINE

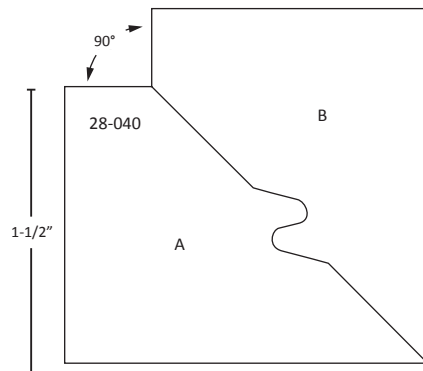
- Carbide (PC) or T-Alloy (PT)
- 3 wing
- 1-1/4" bore
- 5.05" diameter
- 1-1/8" wide tips



Wood Samples shown ACTUAL SIZE

PRO LINE 28-040 for 3/4" to 1-1/2" material

- Carbide (PC) or T-Alloy (PT)
- 3 wing
- 1-1/4" bore
- 6" diameter
- 1-3/4" wide tips



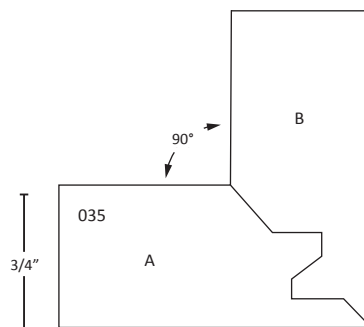
035 for 3/4" to 1" material

MINI-PRO

- Carbide (MC)
- 3 wing
- 3/4" bore
- 4.125" diameter
- 1" wide tips

PRO-LINE

- Carbide (PC) or T-Alloy (PT)
- 3 wing
- 1-1/4" bore
- 4.750" diameter
- 1" wide tips



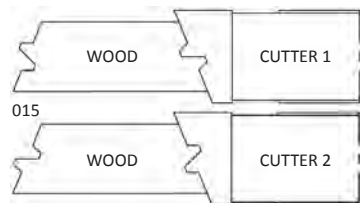
Custom Order Freeborn Tooling: page 128

FREEBORN DOUBLE & SINGLE TONGUE & GROOVE LOCK MITRE CUTTERS

Lock Miter Cutter setup instructions: page 121

TWO PIECE DOUBLE TONGUE & GROOVE LOCK MITRE 015 - 2 PIECE SET

PART & MATERIAL	PRICE
MC-68-015	\$336.00
PC-28-015	\$395.00
PT-28-015	\$434.00



015 for 3/4" material

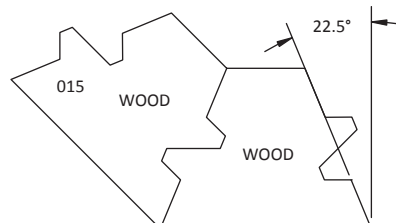
MINI-PRO

- Carbide (MC)
- 3 wing
- 3/4" bore
- 2-15/16" diameter
- 1" wide tips

PRO-LINE

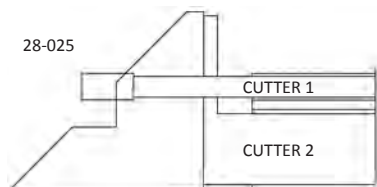
- Carbide (PC) or T-Alloy (PT)
- 3 wing
- 1-1/4" bore
- 4" diameter
- 1" wide tips

Wood Sample below shown **ACTUAL SIZE**



TWO PIECE DOUBLE TONGUE & GROOVE LOCK MITRE 28-025 - 2 PIECE SET

PART & MATERIAL	PRICE
PC-28-025	\$395.00
PT-28-025	\$434.00

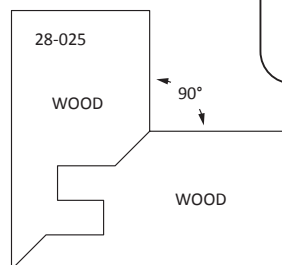


PRO LINE 28-025

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

- Carbide (PC) or T-Alloy (PT)
- 3 wing
- 1-1/4" bore
- 5.19" diameter
- 1-1/4" tips

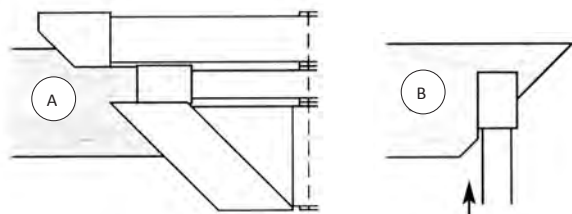
Wood Sample above shown **ACTUAL SIZE**



SINGLE TONGUE & GROOVE LOCK MITRE CUTTER - Counterclockwise rotation only. Mini-Pro is made to run only on 3/4" spindle. Material to 1-1/8". Part A and B are both run flat in horizontal position on shaper table. Part B is run again on table saw to cut groove (see diagram below.) You can use a Dado set or groover on a table saw for this cut.

SINGLE TONGUE & GROOVE LOCK MITRE CUTTER 020 - 3 PIECE SET

PART & MATERIAL	PRICE
MC-68-020	\$343.00
PC-28-020	\$395.00
PT-28-020	\$434.00



020 to 1-1/8" material

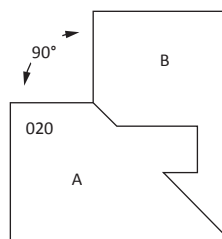
MINI-PRO

- Carbide (MC)
- 3 wing
- 3/4" bore
- 4-5/16" diameter
- For 3/4" spindle only

PRO-LINE

- Carbide (PC) or T-Alloy (PT)
- 3 wing
- 1-1/4" bore
- 5-3/8" diameter

Wood Sample above shown **ACTUAL SIZE**



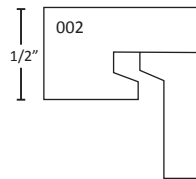
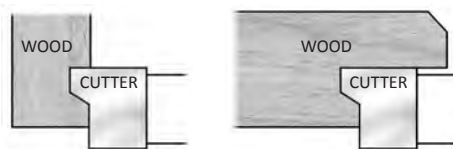
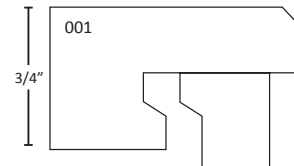
F10010L 6" diameter Custom Drawer Front Cutter: page 131

DRAWER LOCK CUTTER - LOCK MITRE SET UP INSTRUCTIONS FREEBORN

DRAWER LOCK CUTTER - Run drawer front face up in horizontal position over the top of the cutter. Drawer sides are run on end in a vertical position against the shaper fence. Made to cut up to 3/4" (001) or 1/2" (002) drawer sides. Counterclockwise rotation only.

DRAWER LOCK CUTTER	
PART & MATERIAL	PRICE
001	
MC-69-001	\$175.00
PC-29-001	\$206.00
PT-29-001	\$227.00
002	
MC-69-002	\$175.00
PC-29-002	\$206.00
PT-29-002	\$227.00

001 for 3/4" material	
MINI-PRO	PRO-LINE
• Carbide (MC)	• Carbide (PC) or T-Alloy (PT)
• 3 wing	• 3 wing
• 3/4" bore	• 1-1/4" bore
• 2-15/16" diameter	• 5" diameter



002 for 1/2" material	
MINI-PRO	PRO-LINE
• Carbide (MC)	• Carbide (PC) or T-Alloy (PT)
• 3 wing	• 3 wing
• 3/4" bore	• 1-1/4" bore
• 2-15/16" diameter	• 5" diameter

How to Set Up a Lock Miter Cutter

Lock mitre or mitre cutters make a great joint in wood, but can be a challenge to set up for a perfect fit. The two factors in ensuring a proper fit are cutter height and fence position.

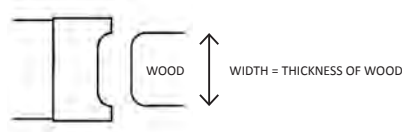
STEP 1: To begin set up, install the cutter onto the shaper so the middle height of the cutter and the middle height of the stock are approximately the same size vertically. It won't be perfect, but it is a good starting point. Using stock of the same thickness as your project, run two pieces through horizontally, then flip one piece 180 degrees and test fit them. If they are flush, your bit height is set correctly. If not, adjust the bit height by half of the distance that the fit was off. When you have got this step right, you can move on to adjusting the fence.



STEP 2: To adjust the fence, start by running the test stock vertically against the face of the fence. Once the vertical pieces fit together flush, your set-up should be correctly set.



- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129



MINI-PRO in Carbide (MC)

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

PRO-LINE in Carbide (PC) or T-Alloy (PT)

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

1 PIECE DOUBLE EASING CUTTERS							
MC PART	PRICE	PC PART	PRICE	PT PART	PRICE	WIDTH	RADIUS
MC-71-006	\$93.00	PC-31-006	\$109.00	PT-31-006	\$119.00	3/8"	1/8"
MC-71-008	\$99.00	PC-31-008	\$117.00	PT-31-008	\$128.00	1/2"	1/8"
MC-71-012	\$119.00	PC-31-012	\$141.00	PT-31-012	\$154.00	3/4"	1/8"
MC-71-016	\$127.00	PC-31-016	\$149.00	PT-31-016	\$164.00	1"	1/8"
MC-71-020	\$144.00	PC-31-020	\$169.00	PT-31-020	\$185.00	1-1/4"	1/8"
MC-71-024	\$154.00	PC-31-024	\$181.00	PT-31-024	\$199.00	1-1/2"	1/8"



Custom rub bearings available for these cutters.

Each set includes 2 cutters and 2 spacers to cut 3/4", 1", 1-1/4" and 1-1/2" material.
Either counterclockwise or clockwise rotation.
Each set includes 2 cutters with matched radii and 2 spacers.
Cut 3/4", 1", 1-1/4", and radii can be interchanged.
Cutter sets can also be shimmed for additional width variations.

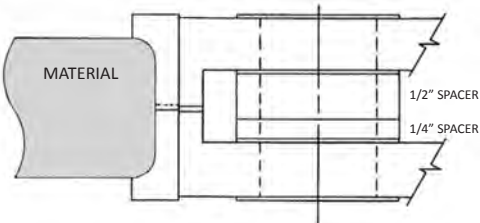
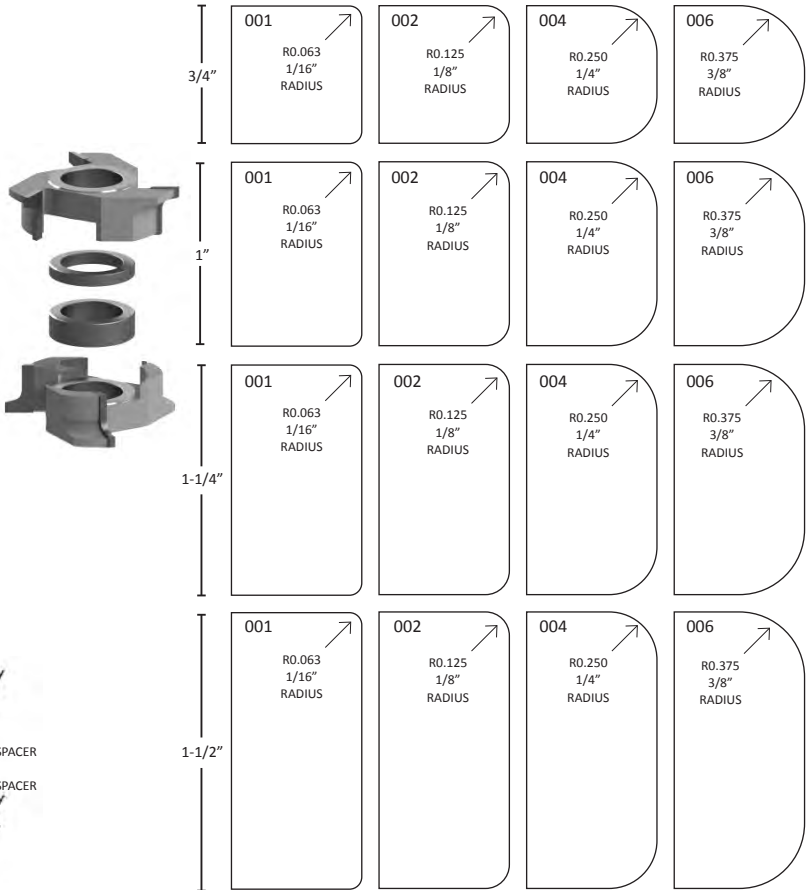
MINI-PRO in Carbide (MC)

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

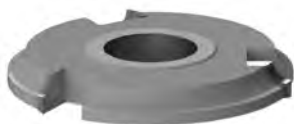
PRO-LINE in Carbide (PC) or T-Alloy (PT)

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

4 PIECE EXPANDABLE DOUBLE EASING SET	
PART & MATERIAL	PRICE
001 - 1/16" RADIUS	
MC-72-001	\$303.00
PC-32-001	\$357.00
PT-32-001	\$394.00
002 - 1/8" RADIUS	
MC-72-002	\$303.00
PC-32-002	\$357.00
PT-32-002	\$394.00
004 - 1/4" RADIUS	
MC-72-004	\$303.00
PC-32-004	\$357.00
PT-32-004	\$394.00
006 - 3/8" RADIUS	
MC-72-006	\$303.00
PC-32-006	\$357.00
PT-32-006	\$394.00



CORNER ROUNDING SHAPER - EXTENDED CORNER ROUNDS FREEBORN



MINI-PRO in Carbide (MC)

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

PRO-LINE in Carbide (PC) or T-Alloy (PT)

- 3 wing
- 1-1/4" bore
- 4" to 6-1/2" diameter or see chart below

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

Counterclockwise rotation with wood fed face down.

NOTE: R = Opposite rotation, CCW with wood fed face up.

CORNER ROUNDING SHAPER CUTTERS								
NOTE: R = OPPOSITE ROTATION								
MC PART	PRICE	3/4" BORE DIAMETER	PC PART	PRICE	PT PART	PRICE	1-1/4" BORE DIAMETER	RADIUS
MC-65-002	\$86.00	2-15/16"	PC-25-002	\$101.00	PT-25-002	\$111.00	4"	1/8"
MC-65-002-R	\$86.00	2-15/16"	PC-25-002-R	\$101.00	PT-25-002-R	\$111.00	4"	1/8"
MC-65-003	\$96.00	2-15/16"	PC-25-003	\$113.00	PT-25-003	\$125.00	4"	3/16"
MC-65-004	\$102.00	2-15/16"	PC-25-004	\$120.00	PT-25-004	\$133.00	4"	1/4"
MC-65-004-R	\$102.00	2-15/16"	PC-25-004-R	\$120.00	PT-25-004-R	\$133.00	4"	1/4"
MC-65-005	\$110.00	2-15/16"	PC-25-005	\$128.00	PT-25-005	\$142.00	4"	5/16"
MC-65-006	\$127.00	2-15/16"	PC-25-006	\$149.00	PT-25-006	\$164.00	4"	3/8"
MC-65-006-R	\$127.00	2-15/16"	PC-25-006-R	\$149.00	PT-25-006-R	\$164.00	4"	3/8"
MC-65-008	\$157.00	2-15/16"	PC-25-008	\$184.00	PT-25-008	\$203.00	4"	1/2"
MC-65-008-R	\$157.00	2-15/16"	PC-25-008-R	\$184.00	PT-25-008-R	\$203.00	4"	1/2"
MC-65-010	\$167.00	2-15/16"	PC-25-010	\$196.00	PT-25-010	\$216.00	4"	5/8"
MC-65-012	\$177.00	2-15/16"	PC-25-012	\$208.00	PT-25-012	\$230.00	4"	3/4"
			PC-25-014	\$218.00	PT-25-014	\$240.00	4-1/2"	7/8"
			PC-25-016	\$230.00	PT-25-016	\$252.00	4-1/2"	1"
			PC-25-020	\$246.00	PT-25-020	\$269.00	5"	1-1/4"
			PC-25-024	\$289.00	PT-25-024	\$318.00	5-1/2"	1-1/2"
			PC-25-028	\$377.00	PT-25-028	\$415.00	6-1/2"	1-3/4"
			PC-25-032	\$377.00	PT-25-032	\$415.00	6-1/2"	2"



EXTENDED CORNER ROUNDS	
PART & MATERIAL	PRICE
002 - 1/8" RADIUS	
MC-73-002	\$124.00
PC-33-002	\$145.00
PT-33-002	\$160.00
004 - 1/4" RADIUS	
MC-73-004	\$136.00
PC-33-004	\$161.00
PT-33-004	\$177.00
006 - 3/8" RADIUS	
MC-73-006	\$151.00
PC-33-006	\$179.00
PT-33-006	\$196.00
008 - 1/2" RADIUS	
MC-73-008	\$170.00
PC-33-008	\$200.00
PT-33-008	\$220.00

MINI-PRO in Carbide (MC)

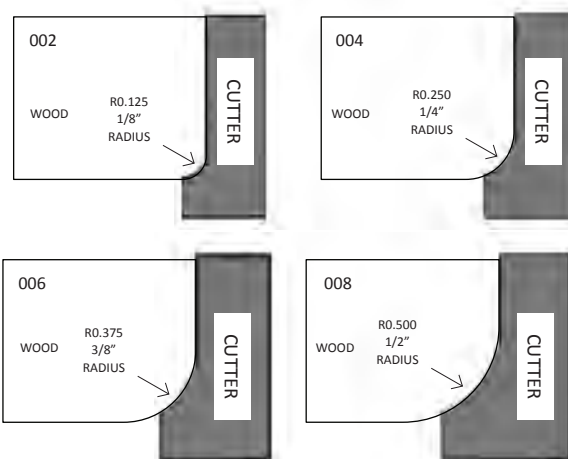
- 3 wing
- 3/4" bore
- 2-15/16" diameter

PRO-LINE in Carbide (PC) or T-Alloy (PT)

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

For up to 1-1/4" material.

Counterclockwise rotation with wood fed face down.



Wood Samples shown ACTUAL SIZE

CORNER ROUNDING / COVE COMBO	
PART & MATERIAL	PRICE
002 - 1/8" RADIUS	
MC-74-002	\$199.00
PC-34-002	\$234.00
PT-34-002	\$257.00
004 - 1/4" RADIUS	
MC-74-004	\$199.00
PC-34-004	\$234.00
PT-34-004	\$257.00
006 - 3/8" RADIUS	
MC-74-006	\$213.00
PC-34-006	\$251.00
PT-34-006	\$257.00
008 - 1/2" RADIUS	
MC-74-008	\$213.00
PC-34-008	\$268.00
PT-34-008	\$276.00
PRO LINE 34-012 - 3/4" RADIUS	
PC-34-012	\$285.00
PT-34-012	\$295.00

MINI-PRO in Carbide (MC)

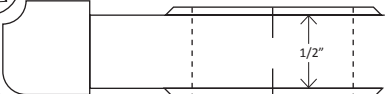
- 3 wing
- 3/4" bore
- 2-15/16" diameter

PRO-LINE in Carbide (PC) or T-Alloy (PT)

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

002
WOOD
R0.125
1/8" RADIUS

002
WOOD
R0.125
1/8" RADIUS



004
WOOD
R0.250
1/4" RADIUS

006
WOOD
R0.375
3/8" RADIUS

008
WOOD
R0.500
1/2" RADIUS

34-012
WOOD
R0.750
3/4" RADIUS

004
WOOD
R0.250
1/4" RADIUS

006
WOOD
R0.375
3/8" RADIUS

008
WOOD
R0.500
1/2" RADIUS

34-012
WOOD
R0.750
3/4" RADIUS

CORNER ROUNDING COMBO	
PART & MATERIAL	PRICE
048	
MC-75-048	\$213.00
PC-35-048	\$251.00
PT-35-048	\$276.00
612	
MC-75-612	\$242.00
PC-35-612	\$285.00
PT-35-612	\$314.00

MINI-PRO in Carbide (MC)

- 3 wing
- 3/4" bore

PRO-LINE in Carbide (PC) or T-Alloy (PT)

- 3 wing
- 1-1/4" bore

048
WOOD
R0.250
1/4" RADIUS

612
WOOD
R0.375
3/8" RADIUS

048
WOOD
R0.250
1/4" RADIUS

612
WOOD
R0.375
3/8" RADIUS

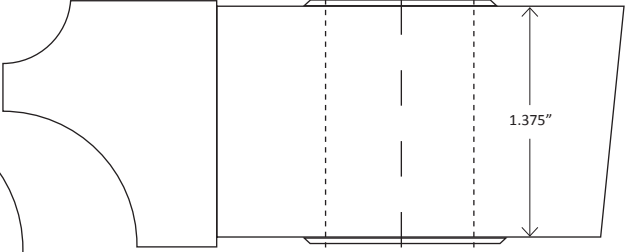
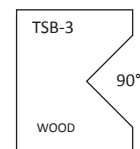
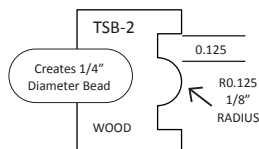
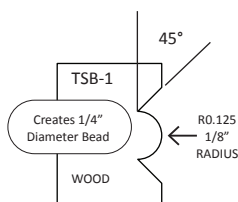


TABLE SAW BEAD - BALL BEARING RUB COLLARS - RUB SPACERS FREEBORN

TABLE SAW BEAD CUTTERS	
PART	PRICE
TSB-1	\$344.00
TSB-2	\$344.00
TSB-3	\$344.00

TABLE SAW BEAD CUTTERS

- 6 wing alternate shear face
- 5/8" bore
- 8" diameter



BALL BEARING RUB COLLARS

AM PART	BORE	DIAMETER	PRICE	AP PART	BORE	DIAMETER	PRICE
AM-90-026	3/4"	1-5/8"	\$57.00	AP-90-036	1-1/4"	2-1/4"	\$66.00
AM-90-027	3/4"	1-11/16"	\$57.00	AP-90-040	1-1/4"	2-1/2"	\$66.00
AM-90-028	3/4"	1-3/4"	\$57.00	AP-90-044	1-1/4"	2-3/4"	\$66.00
AM-90-032	3/4"	2"	\$57.00	AP-90-048	1-1/4"	3"	\$66.00
AM-90-033	3/4"	2-1/16"	\$57.00	AP-90-049	1-1/4"	3-1/16"	\$66.00
AM-90-035	3/4"	2-3/16"	\$57.00	AP-90-052	1-1/4"	3-1/4"	\$66.00
AM-90-036	3/4"	2-1/4"	\$57.00	AP-90-056	1-1/4"	3-1/2"	\$66.00
AM-90-039	3/4"	2-7/16"	\$57.00	AP-90-060	1-1/4"	3-3/4"	\$66.00
AM-90-040	3/4"	2-1/2"	\$57.00	AP-90-064	1-1/4"	4"	\$66.00
AM-90-047	3/4"	2-15/16"	\$57.00	AP-90-066	1-1/4"	4-1/8"	\$66.00
AM-90-048	3/4"	3"	\$57.00	AP-90-068	1-1/4"	4-1/4"	\$66.00
				AP-90-072	1-1/4"	4-1/2"	\$66.00
Custom Ball Bearing Rub Collars are available at 6" or less							\$75.00



RUB SPACERS FOR COPE & PATTERN

AM PART	BORE	TONGUE	PRICE	AP PART	BORE	TONGUE	PRICE
AM-50-801	3/4"	1/4" x 1/2"	\$38.00	AP-10-801	1-1/4"	1/4" x 1/2"	\$44.00
AM-50-803	3/4"	1/4" x 3/8"	\$38.00	AP-10-803	1-1/4"	1/4" x 3/8"	\$44.00
AM-50-806	3/4"	5.5mm x 3/8"	\$38.00	AP-10-806	1-1/4"	5.5mm x 3/8"	\$44.00
AM-50-807	3/4"	5.5mm x 1/2"	\$38.00	AP-10-807	1-1/4"	5.5mm x 1/2"	\$44.00
AM-50-809	3/4"	1/4" x 3/8"	\$38.00	AP-10-809	1-1/4"	1/4" x 3/8"	\$44.00



Optional rub spacer available for M-50 and P-10 series cope & pattern sets. Replaces center cutter on cope side.

NOTE: Not a Ball Bearing Spacer

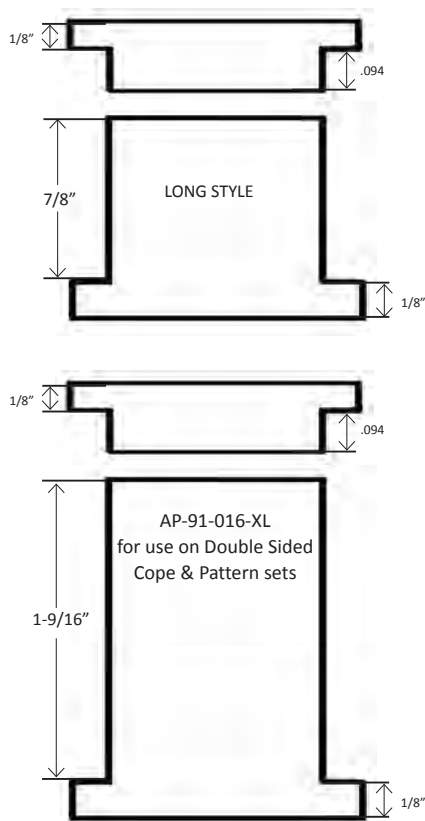
• Custom Order Freeborn Tooling: page 128

• Spindle Alignment: page 129

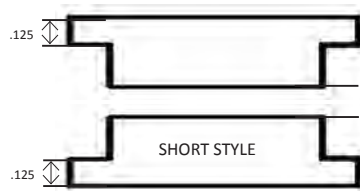
T-BUSHINGS - LONG STYLE			
PART	I.D.	O.D.	PRICE
AM-91-008	1/2"	3/4"	\$24.00
AX-91-012	1/2"	1"	\$24.00
AP-91-012	3/4"	1-1/4"	\$24.00
AP-91-016	1"	1-1/4"	\$24.00
AP-91-016-XL*	1"	1-1/4"	\$24.00
AP-91-017	30mm	1-1/4"	\$24.00
AP-91-018	1-1/8"	1-1/4"	\$24.00
AP-91-024	1-1/4"	1-1/2"	\$30.00
AP-91-025	1-1/4"	40mm	\$30.00
AP-91-029	1-1/4"	1-13/16"	\$30.00

*AP-91-016-XL for use on double sided Cope & Pattern sets

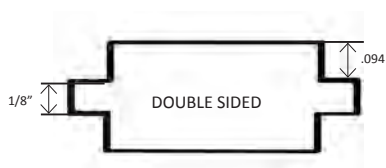
- Long Style - for 3 to 6 Cutter Sets (1 long and 1 short T-Bushing)
- Short Style - for Single Cutters (2 short T-Bushings)
- Double Sided - to run between Cutter and Bearing



T-BUSHINGS - SHORT STYLE			
PART	I.D.	O.D.	PRICE
AM-92-008	1/2"	3/4"	\$14.00
AX-92-012	1/4"	1"	\$14.00
AP-92-008	1/2"	1-1/4"	\$14.00
AP-92-012	3/4"	1-1/4"	\$14.00
AP-92-016	1"	1-1/4"	\$14.00
AP-92-017	30mm	1-1/4"	\$14.00
AP-92-018	1-1/4"	1-1/4"	\$14.00
AP-92-024	1-1/4"	1-1/2"	\$30.00
AP-92-025	1-1/4"	40mm	\$30.00
AP-92-029	1-1/4"	1-13/16"	\$30.00



T-BUSHINGS - DOUBLE SIDED			
PART	I.D.	O.D.	PRICE
AM-93-008	1/2"	3/4"	\$14.00
AX-93-008	1/2"	1-1/4"	\$14.00
AP-93-012	3/4"	1-1/4"	\$14.00
AP-93-016	1"	1-1/4"	\$14.00
AP-93-018	1-1/8"	1-1/4"	\$14.00
AP-93-024	1-1/4"	1-1/2"	\$18.00
AP-93-025	1-1/4"	40mm	\$18.00
AP-93-029	1-1/4"	1-13/16"	\$18.00



SPACERS - CNC PRECISION LATHED										
AM PART	BORE	THICKNESS	OUTER DIAMETER	PRICE		AP PART	BORE	THICKNESS	OUTER DIAMETER	PRICE
AM-94-001	3/4"	1/16"	1.050"	\$17.00		AP-94-001	1-1/4"	1/16"	1.75"	\$20.00
AM-94-002	3/4"	1/8"	1.050"	\$26.00		AP-94-002	1-1/4"	1/8"	1.75"	\$26.00
AM-94-003	3/4"	3/16"	1.050"	\$26.00		AP-94-003	1-1/4"	3/16"	1.75"	\$26.00
AM-94-004	3/4"	1/4"	1.050"	\$26.00		AP-94-004	1-1/4"	1/4"	1.75"	\$26.00
AM-94-005	3/4"	5/16"	1.050"	\$26.00		AP-94-005	1-1/4"	5/16"	1.75"	\$26.00
AM-94-006	3/4"	3/8"	1.050"	\$26.00		AP-94-006	1-1/4"	3/8"	1.75"	\$26.00
AM-94-007	3/4"	7/16"	1.050"	\$26.00		AP-94-007	1-1/4"	7/16"	1.75"	\$26.00
AM-94-008	3/4"	1/2"	1.050"	\$26.00		AP-94-008	1-1/4"	1/2"	1.75"	\$26.00
AM-94-009	3/4"	9/16"	1.050"	\$26.00		AP-94-009	1-1/4"	9/16"	1.75"	\$26.00
AM-94-010	3/4"	5/8"	1.050"	\$26.00		AP-94-010	1-1/4"	5/8"	1.75"	\$26.00
AM-94-012	3/4"	3/4"	1.050"	\$26.00		AP-94-012	1-1/4"	3/4"	1.75"	\$26.00
AM-94-016	3/4"	1"	1.050"	\$26.00		AP-94-016	1-1/4"	1"	1.75"	\$26.00

Spacers - Used in a wide range of woodworking applications.

PLASTIC SHIMS - 48 PIECE SET						
AM PART	BORE	PRICE		AP PART	BORE	PRICE
AM-95-008	1/2"	\$57.00		AP-95-016	1"	\$57.00
				AP-95-018	1-1/8"	\$57.00

Plastic Shims - Sets of 48 color-coded shims in 8 thicknesses for various spacing needs.

PLASTIC SHIM SET SPECS 48 PIECES TOTAL		
PIECES	COLOR	THICKNESS
6	GREEN	.003"
6	BLUE	.005"
6	MATTE	.0075"
6	BROWN	.010"
6	BLACK	.0125"
6	PINK	.015"
6	YELLOW	.020"
6	CORAL	.030"

METAL SHIMS - 20 PIECE SET						
AM PART	BORE	PRICE		AP PART	BORE	PRICE
AM-95-012-M	3/4"	\$57.00		AP-95-020-M	1-1/4"	\$57.00

Metal Shims - Sets of 20 metal shims in 5 thicknesses for various spacing needs.

METAL SHIM SET SPECS 20 PIECES TOTAL	
PIECES	THICKNESS
4	.003"
4	.005"
4	.010"
4	.015"
4	.020"

- Custom Order Freeborn Tooling: page 128
- Spindle Alignment: page 129

CUSTOM ORDER TOOLING PRICING GUIDELINES

- Pricing shown below is estimated and for standard sized custom order tooling
- Custom order tooling with larger diameters, more than 3 wings, or unusual sizing is an additional fee
- 2 Piece Cope Side Heads are available

For custom order quotes or more information email sales@ballewsaw.com or call 800-288-7483.

COPE & PATTERN CUSTOM ORDER INSERT TOOLING		
COPE & PATTERN SETS	CARBIDE PRICE	T-ALLOY PRICE
SET OF 2 HEADS WITH 3 TIP SETS		
SET OF 2 HEADS WITH 3 TIP SETS (18 TIPS TOTAL)	starts at \$1650.00	starts at \$1750.00
REPLACEMENT TIPS ONLY (18 TIPS TOTAL)	starts at \$850.00	starts at \$950.00
SET OF 3 HEADS WITH 3 TIP SETS		
SET OF 3 HEADS WITH 3 TIP SETS (27 TIPS TOTAL)	starts at \$1950.00	starts at \$2050.00
REPLACEMENT TIPS ONLY (27 TIPS TOTAL)	starts at \$950.00	starts at \$1050.00

RAISED PANEL CUSTOM ORDER INSERT TOOLING		
RAISED PANEL SETS	CARBIDE PRICE	T-ALLOY PRICE
SET OF 1 HEADS WITH 3 TIP SETS (9 TIPS TOTAL)	starts at \$950.00	starts at \$1050.00
REPLACEMENT TIPS ONLY (9 TIPS TOTAL)	starts at \$550.00	starts at \$650.00

DOOR EDGE DETAIL CUSTOM ORDER INSERT TOOLING		
DOOR EDGE DETAIL SETS	CARBIDE PRICE	T-ALLOY PRICE
SET OF 1 HEADS WITH 3 TIP SETS (9 TIPS TOTAL)	starts at \$950.00	starts at \$1050.00
REPLACEMENT TIPS ONLY (9 TIPS TOTAL)	starts at \$550.00	starts at \$650.00

UNIQUE 250/265 INSERT TOOLING		
ITEM	CARBIDE PRICE	T-ALLOY PRICE
FOR 4" COPE & PATTERN HEADS USING STANDARD INSERT TOOLING PROFILES	starts at \$899.00	starts at \$1750.00
FOR 7" RAISED PANEL HEADS USING STANDARD RAISED PANEL TIPS	starts at \$525.00	starts at \$950.00

CUSTOM ORDER BRAZED TOOLING AVAILABLE

sales@ballewsaw.com 800-288-7483

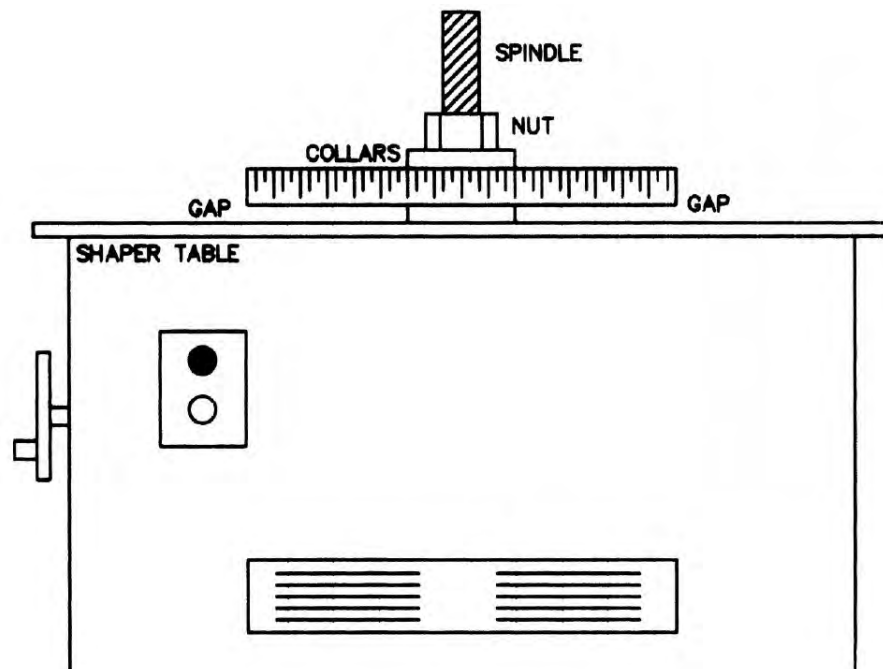
Many Freeborn sets can be run in multiple configurations or require careful set-up. Questions? Call Ballew Saw and Tool weekdays 8:30 am - 4:30 pm CST at 800-288-7483.

SHAPER SPINDLE ALIGNMENT INSTRUCTIONS

Many problems related to a poor fit or deviation from a pattern on a shaper have the same problem – a misaligned spindle. Always be sure your spindle is square to the table to ensure accuracy and reliability of your cutters.

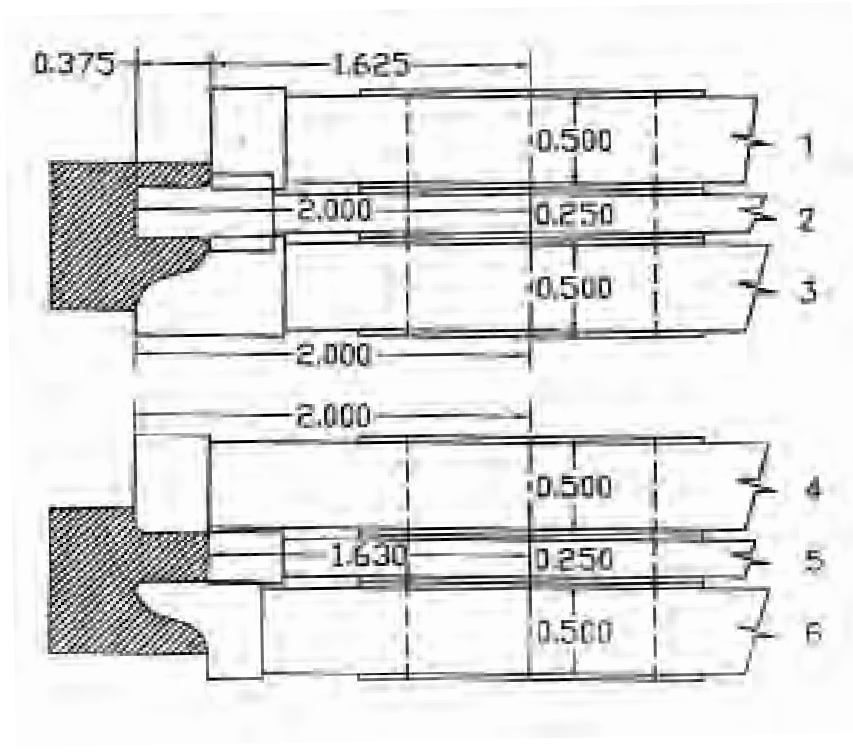
You can follow these steps to check for any alignment issues:

1. Unplug the machine and remove the fence and cutter(s).
2. Raise the spindle to its highest position and clamp a 12-18" steel straight edge between the collars of the spindle.
3. Lower the spindle until the straight edge almost touches the table top.
4. Rotate the spindle by hand observing the gap between the table top and the straight edge. If the gap is not uniform, the spindle shaft is misaligned. You may need to shim the spindle cartridge to correct the alignment or contact the shaper's manufacturer for their recommendation.



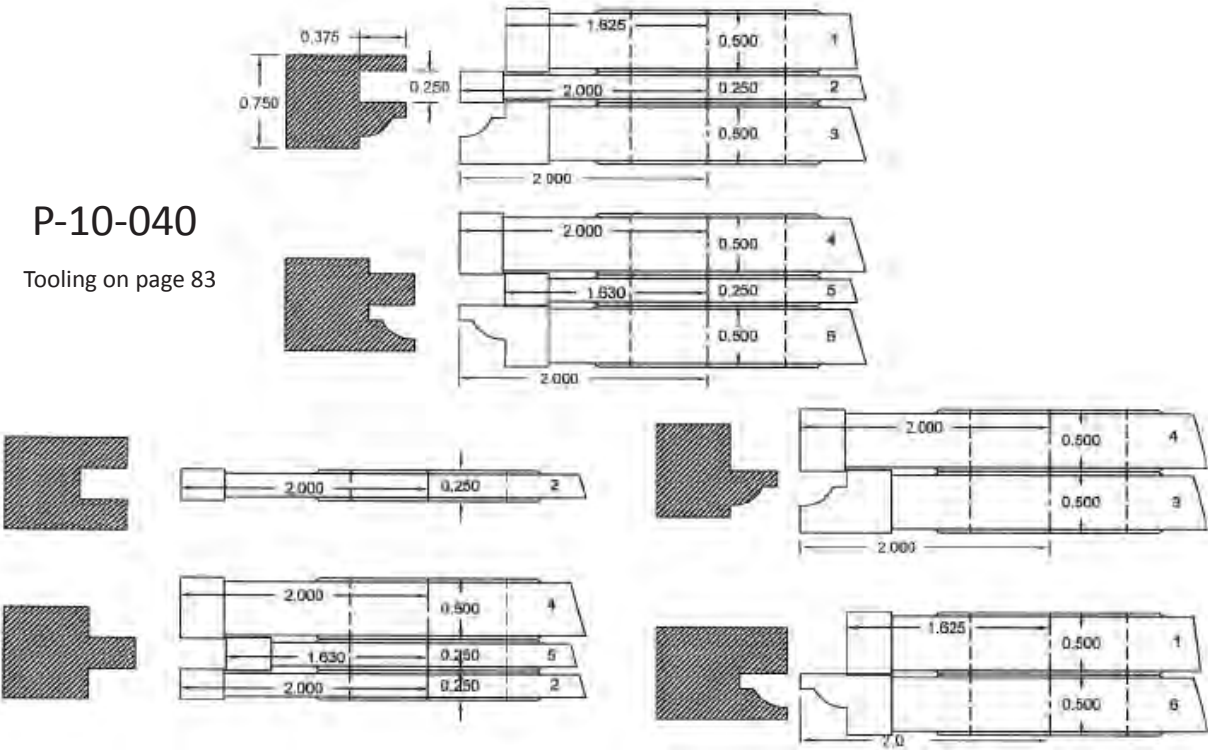
P-10-030-EE

Tooling on page 83



P-10-040

Tooling on page 83

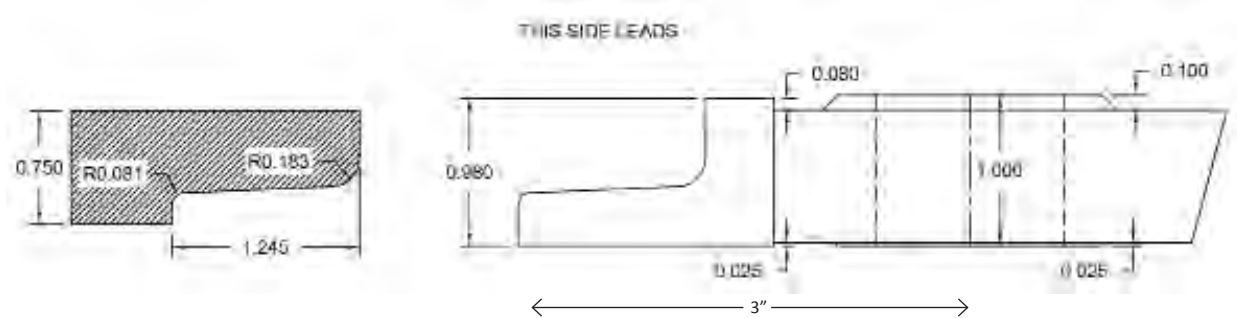


F10010L

call: 800-288-7483

F10010L	
PART	PRICE
F10010L	\$149.00

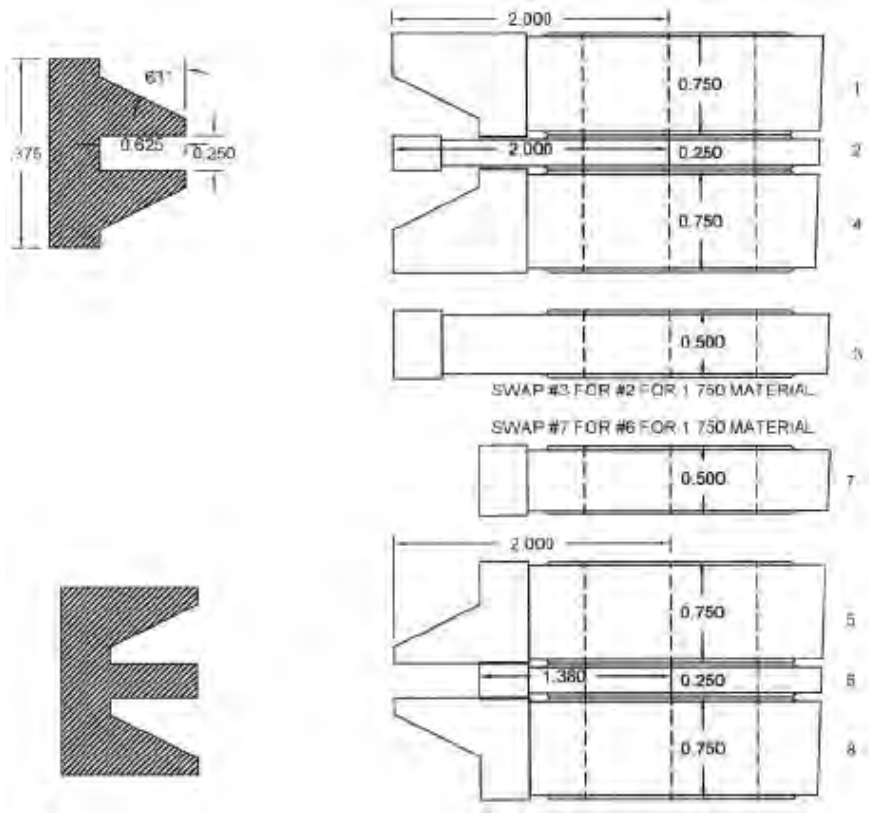
6" DIAMETER CUSTOM DRAWER FRONT CUTTER



Custom Order Freeborn Tooling: page 128

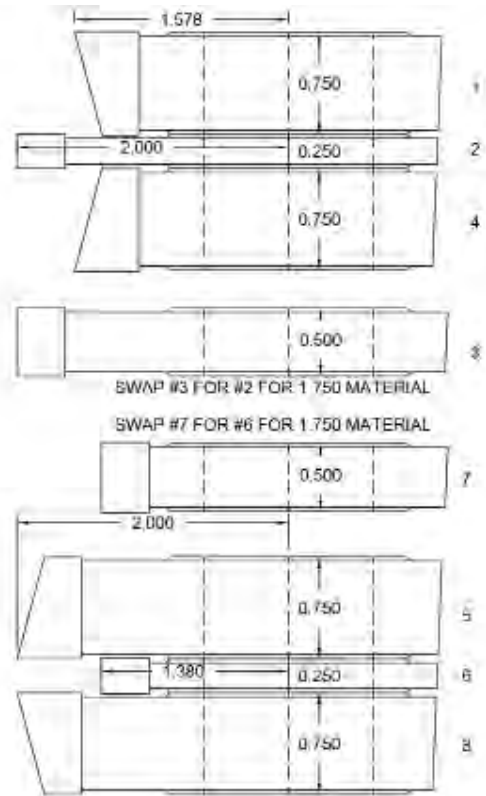
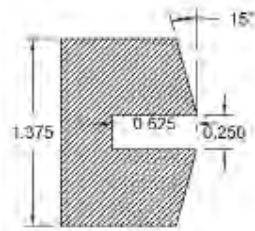
P-11-050

Tooling on page 91



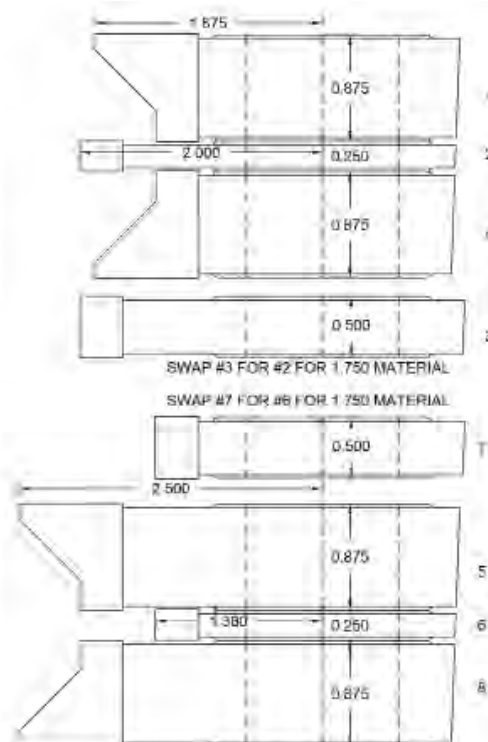
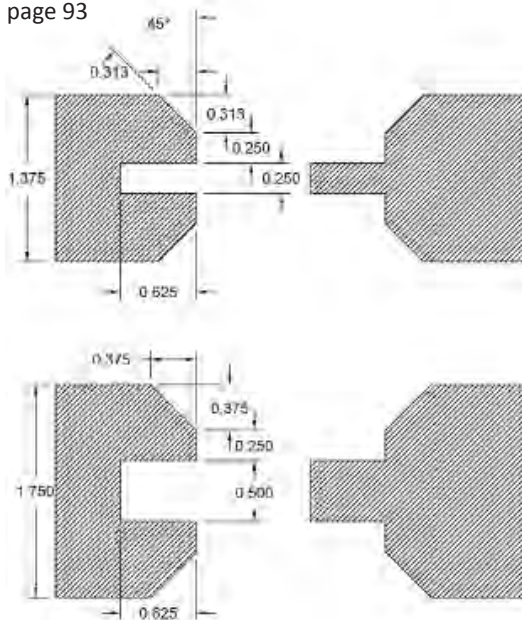
P-11-065

Tooling on page 92



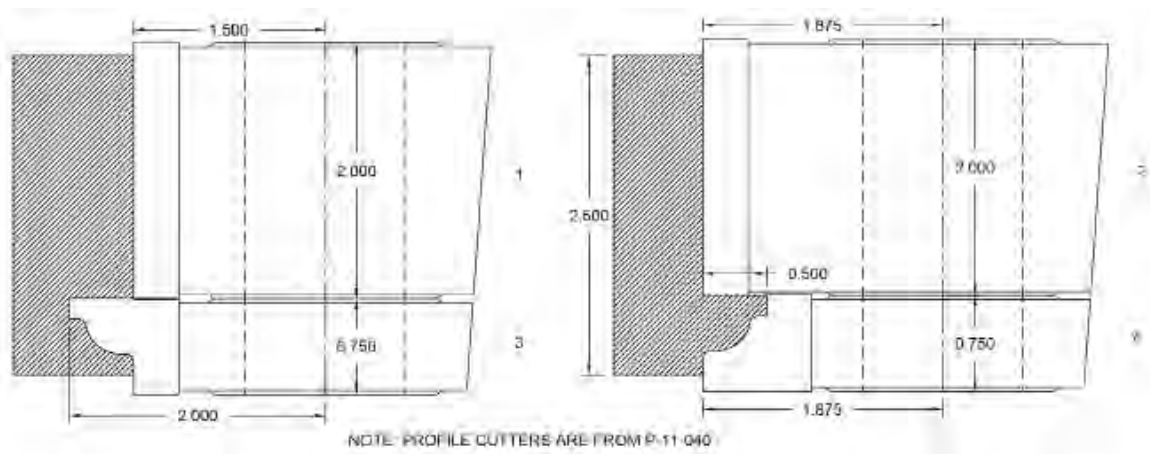
P-11-085

Tooling on page 93



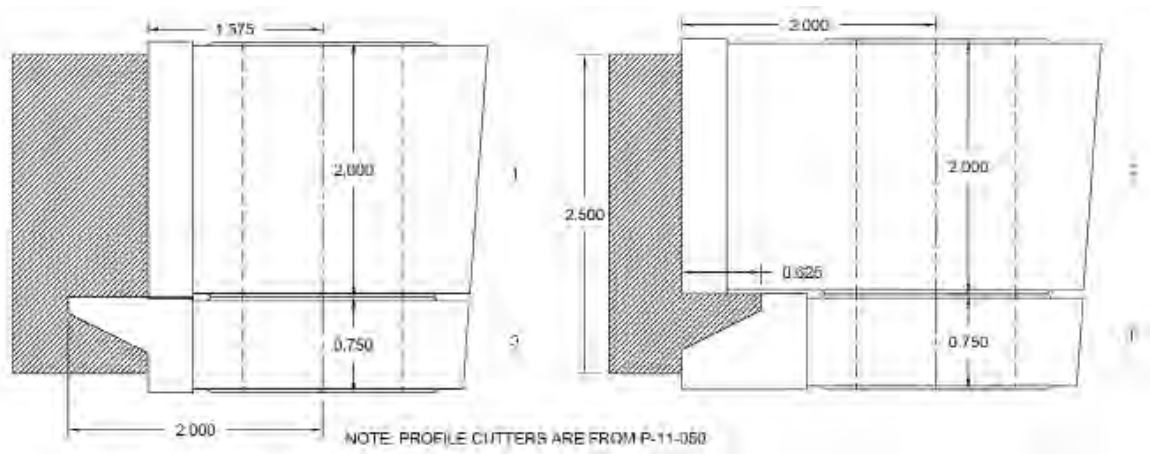
P-11-040-GP

Tooling on page 96



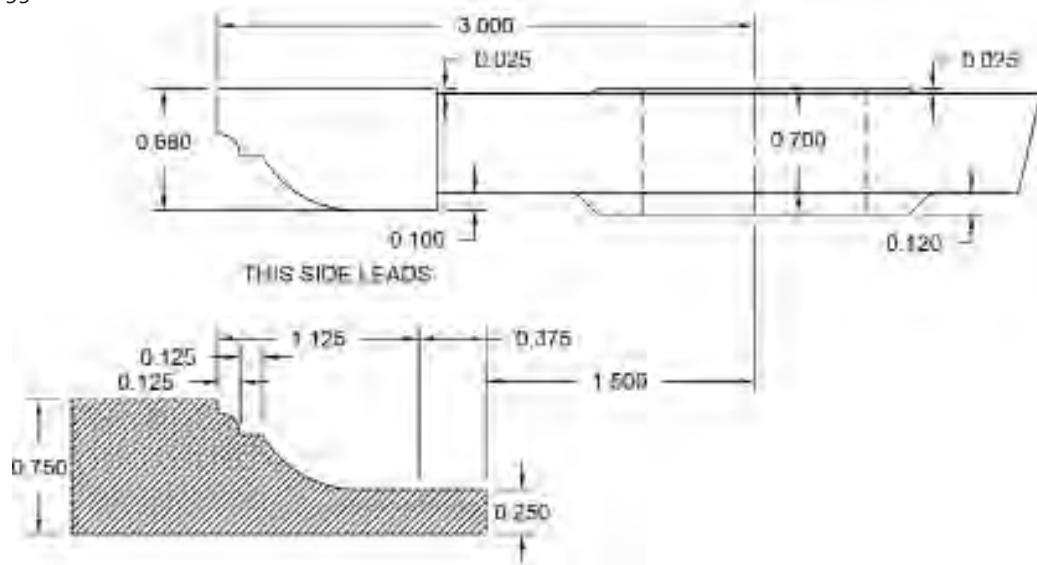
P-11-050-GP

Tooling on page 96



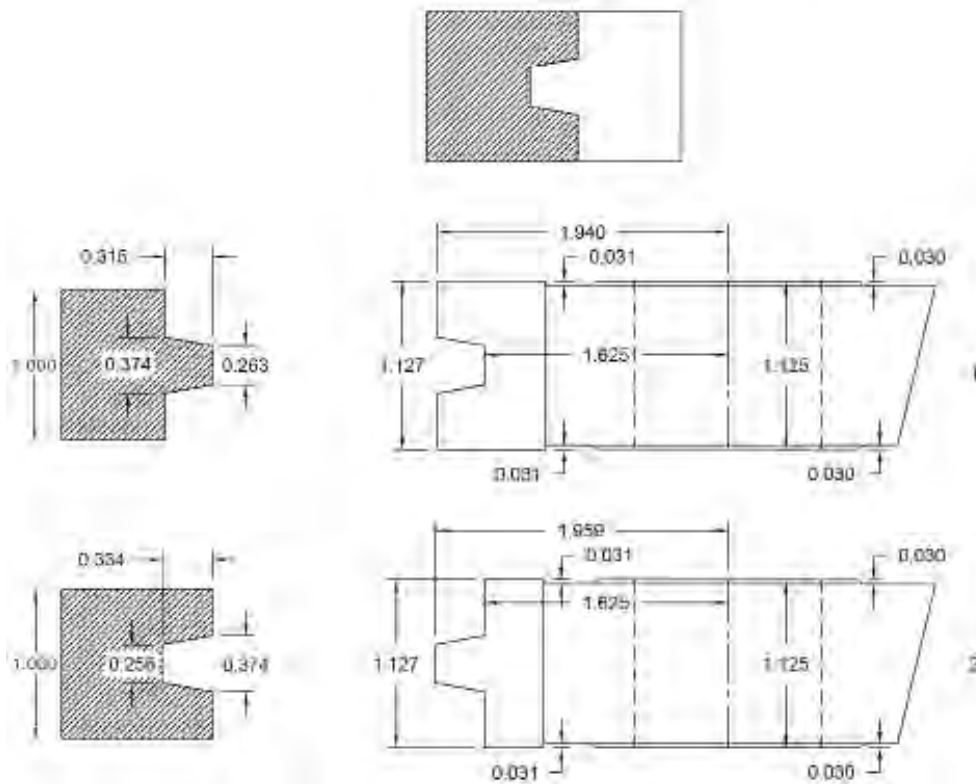
P-14-018

Tooling on page 99



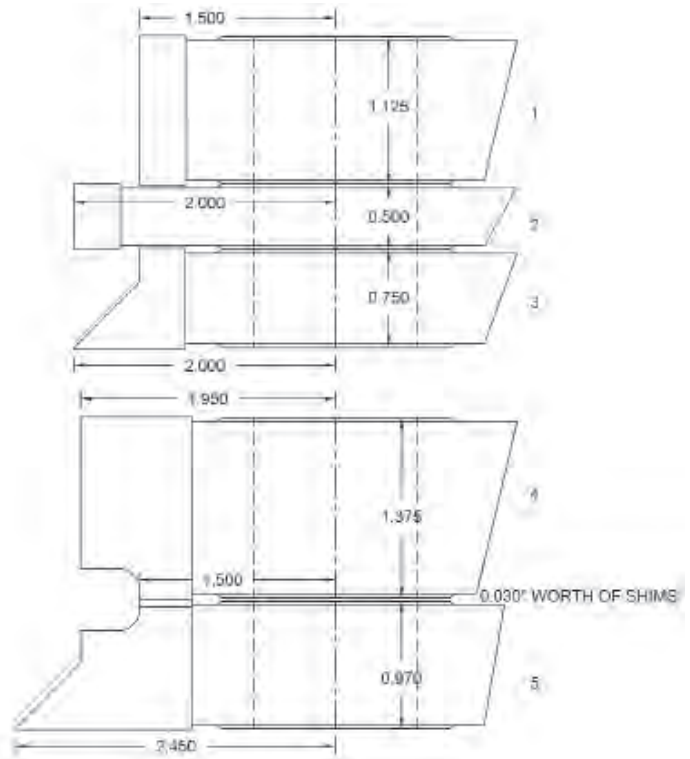
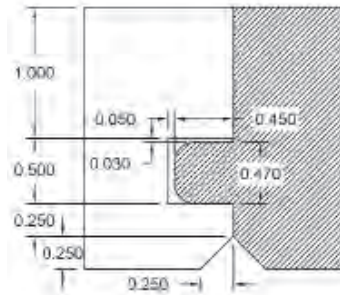
P-19-055

Tooling on page 111



P-19-070

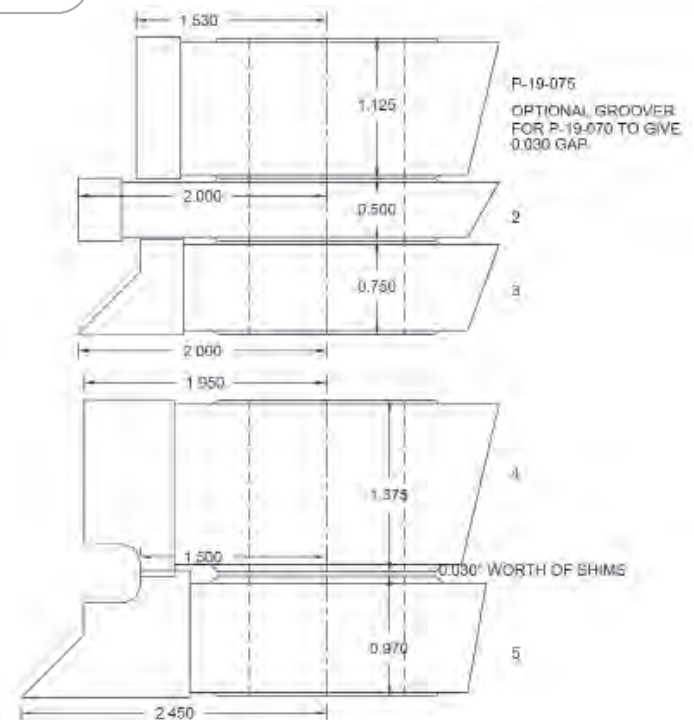
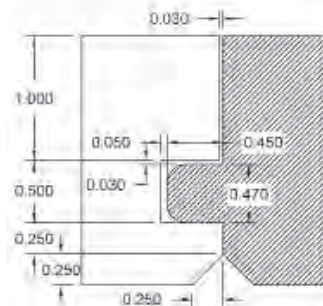
Tooling on page 115



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

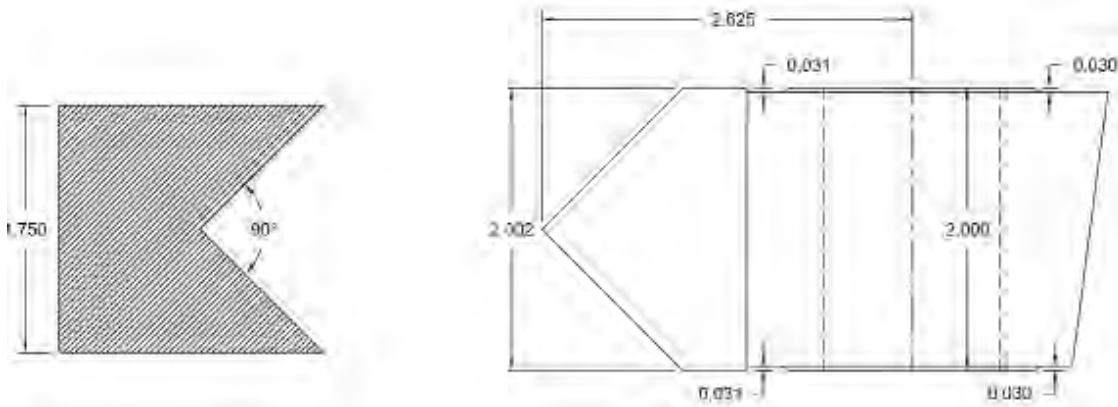
P-19-075

Tooling on page 115



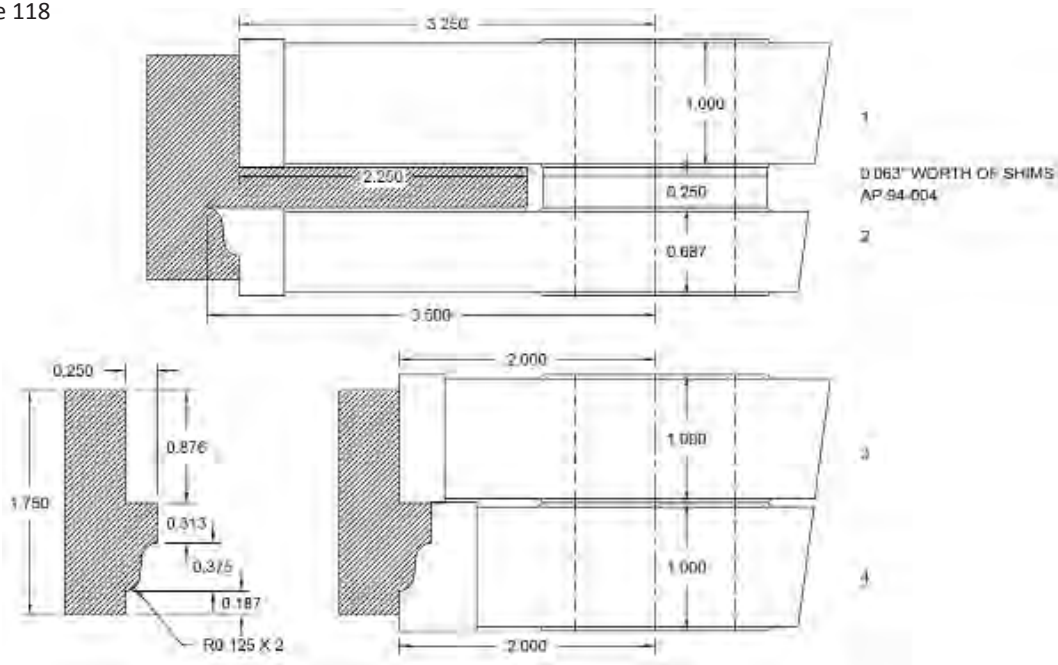
P-19-090

Tooling on page 111



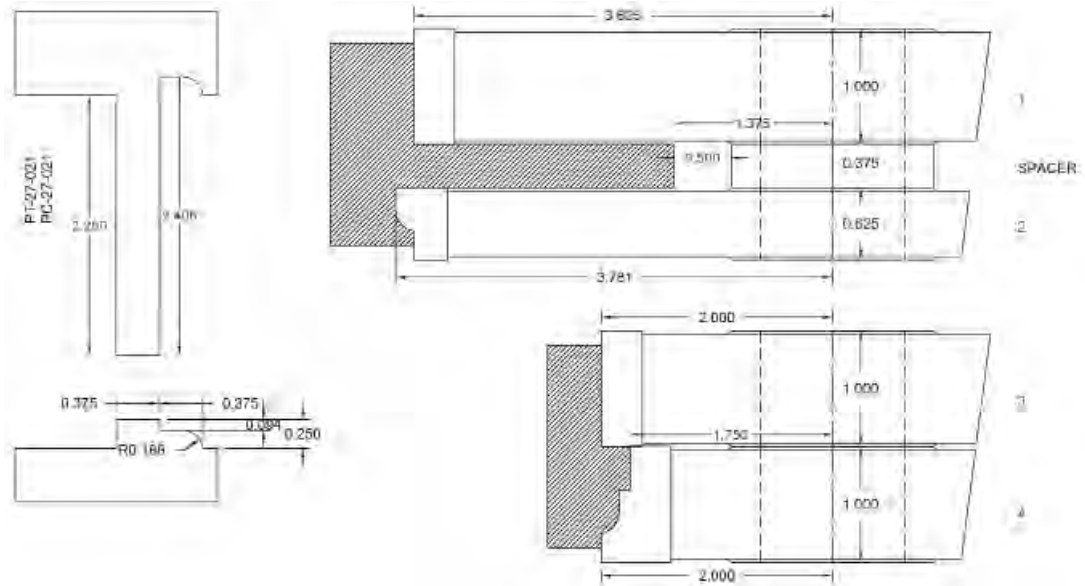
P-27-011

Tooling on page 118



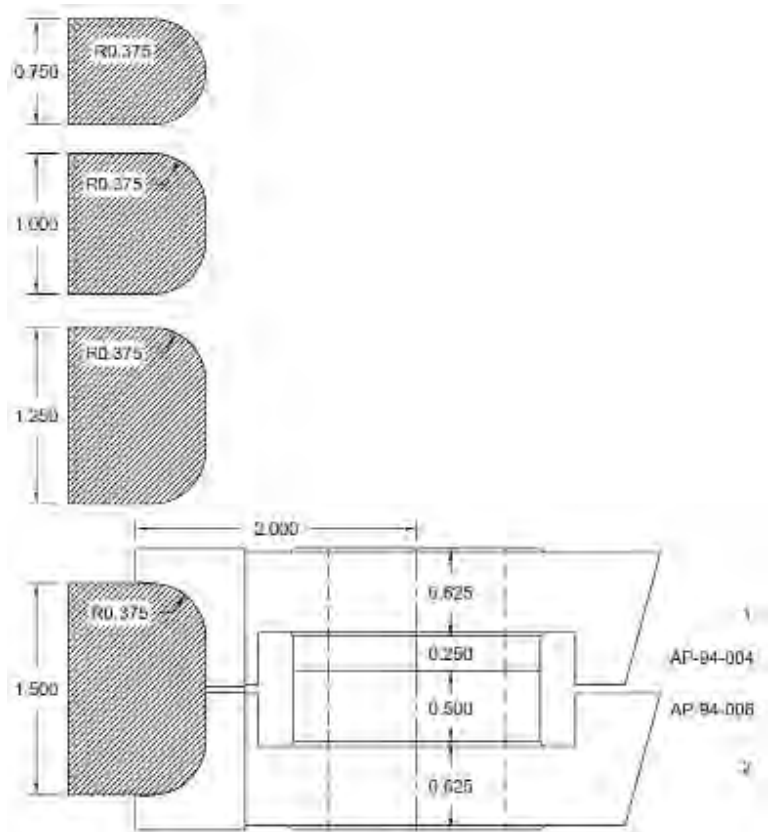
P-27-021

Tooling on page 118



P-32-006

Tooling on page 122



DISCONTINUED - LIMITED STOCK

T-ALLOY 3/4" BORE		
PART	QTY	PRICE
MT-50-015	3	\$278.50
MT-50-015-EE	2	\$334.20
MT-50-025	1	\$278.50
MT-50-035	3	\$278.50
MT-50-035-EE	1	\$334.20
MT-50-040-EE	1	\$334.20
MT-50-045-EE	1	\$334.20
MT-50-050-EE	1	\$334.20
MT-50-060	5	\$278.50
MT-50-070	4	\$278.50
MT-50-070-EE	1	\$334.20
MT-50-145	3	\$293.00
MT-50-145-EE	1	\$351.60
MT-50-310	3	\$317.50
MT-50-320	5	\$317.50
MT-50-340	3	\$317.50
MT-50-401	1	\$172.73
MT-50-401-EE	2	\$207.27
MT-502-403	4	\$172.73
MT-50-403-EE	2	\$207.27
MT-50-500-EE	1	\$274.20
MT-50-501	35	\$103.50
MT-50-502	38	\$103.50
MT-50-502-EE	4	\$124.20
MT-50-503	10	\$103.50
MT-50-503-EE	3	\$124.20
MT-50-601	17	\$103.50
MT-50-601-EE	3	\$124.20
MT-50-602	16	\$103.50
MT-50-602-EE	3	\$124.20
MT-50-604	12	\$103.50
MT-50-605	8	\$103.50
MT-50-607	10	\$103.50

T-ALLOY 3/4" BORE		
PART	QTY	PRICE
MT-50-608	8	\$103.50
MT-50-700	2	\$115.50
MT-50-701	3	\$91.87
MT-51-010	2	\$506.00
MT-51-011	3	\$506.00
MT-51-020	1	\$506.00
MT-51-030	5	\$506.00
MT-51-040	11	\$506.00
MT-51-041	8	\$506.00
MT-51-050	6	\$506.00
MT-51-060	7	\$506.00
MT-51-070	6	\$506.00
MT-51-080	3	\$506.00
MT-51-500	11	\$400.00
MT-51-903	7	\$103.50
MT-52-010	19	\$162.00
MT-52-020	12	\$162.00
MT-54-001	1	\$142.00
MT-54-002	4	\$142.00
MT-54-003	2	\$142.00
MT-54-004	3	\$142.00
MT-54-006	4	\$142.00
MT-54-007	9	\$142.00
MT-54-008	2	\$142.00
MT-54-009	7	\$142.00
MT-54-010	3	\$142.00
MT-54-011	4	\$142.00
MT-54-012	4	\$142.00
MT-54-013	4	\$142.00
MT-55-006	5	\$142.00
MT-55-008	4	\$142.00
MT-55-009	2	\$142.00
MT-55-010	3	\$142.00

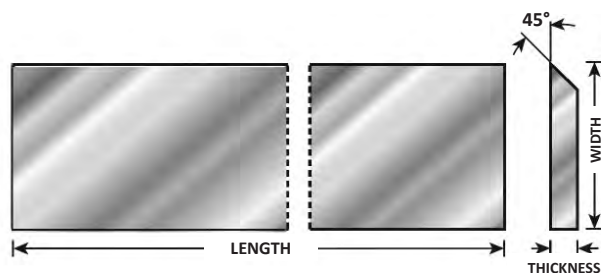
T-ALLOY 3/4" BORE		
PART	QTY	PRICE
MT-55-011	5	\$142.00
MT-55-012	4	\$142.00
MT-55-013	4	\$142.00
MT-56-001	7	\$104.00
MT-56-002	4	\$104.00
MT-56-100	4	\$63.00
MT-57-001	4	\$112.00
MT-57-002	6	\$112.00
MT-57-003	4	\$112.00
MT-57-004	4	\$112.00
MT-57-005	2	\$112.00
MT-57-006	5	\$112.00
MT-57-007	4	\$112.00
MT-57-008	6	\$112.00
MT-57-009	4	\$112.00
MT-57-010	4	\$112.00
MT-57-011	6	\$112.00
MT-57-012	4	\$112.00
MT-57-013	6	\$112.00
MT-57-014	6	\$112.00
MT-57-015	5	\$112.00
MT-57-016	4	\$112.00
MT-57-017	4	\$112.00
MT-57-018	4	\$112.00
MT-57-019	3	\$112.00
MT-57-020	5	\$112.00
MT-57-021	7	\$112.00
MT-57-022	1	\$112.00
MT-57-023	5	\$112.00
MT-57-024	4	\$112.00
MT-57-025	7	\$91.00
MT-57-026	6	\$91.00

DISCONTINUED - LIMITED STOCK

T-ALLOY 3/4" BORE		
PART	QTY	PRICE
MT-57-027	4	\$98.50
MT-57-029	5	\$112.00
MT-57-030	4	\$91.00
MT-57-031	6	\$91.00
MT-57-040	3	\$78.00
MT-57-042	3	\$73.50
MT-57-043	4	\$91.50
MT-57-102	3	\$112.00
MT-57-103	2	\$112.00
MT-57-104	4	\$112.00
MT-57-105	6	\$112.00
MT-57-106	5	\$112.00
MT-57-107	3	\$112.00
MT-57-109	5	\$112.00
MT-57-110	5	\$112.00
MT-57-111	6	\$112.00
MT-57-112	2	\$112.00
MT-57-113	7	\$112.00
MT-57-151	6	\$112.00
MT-57-152	8	\$112.00
MT-57-153	7	\$112.00
MT-57-154	6	\$112.00
MT-57-155	5	\$112.00
MT-57-156	3	\$112.00
MT-57-157	5	\$112.00
MT-57-158	6	\$112.00
MT-57-159	4	\$112.00
MT-57-160	4	\$112.00
MT-57-161	5	\$112.00
MT-57-162	4	\$112.00
MT-57-163	3	\$112.00
MT-57-181	7	\$88.50
MT-57-182	3	\$88.50
MT-57-183	6	\$88.50

T-ALLOY 3/4" BORE		
PART	QTY	PRICE
MT-57-184	2	\$88.50
MT-57-185	3	\$88.50
MT-58-001	4	\$152.50
MT-59-010	3	\$294.50
MT-59-020	2	\$310.50
MT-59-030	7	\$294.50
MT-59-040	4	\$294.55
MT-60-002	6	\$71.00
MT-60-006	2	\$101.50
MT-60-008	6	\$119.00
MT-60-012	5	\$144.00
MT-61-001	4	\$150.00
MT-61-002	4	\$150.00
MT-61-003	5	\$150.00
MT-62-002	6	\$57.50
MT-62-004	5	\$52.00
MT-62-005	6	\$55.00
MT-62-006	3	\$57.50
MT-62-007	5	\$60.50
MT-62-008	2	\$63.50
MT-62-010	9	\$66.50
MT-62-012	2	\$69.00
MT-62-014	8	\$72.00
MT-62-016	6	\$75.00
MT-62-020	6	\$81.00
MT-62-024	6	\$89.00
MT-62-028	5	\$100.50
MT-62-032	2	\$109.00
MT-63-002	5	\$63.50
MT-63-003	6	\$69.00
MT-63-004	4	\$78.00
MT-63-006	6	\$86.00
MT-63-008	6	\$109.00
MT-64-002	5	\$78.00

T-ALLOY 3/4" BORE		
PART	QTY	PRICE
MT-64-003	4	\$83.50
MT-64-004	3	\$92.00
MT-64-006	4	\$128.00
MT-64-008	4	\$152.00
MT-64-009	4	\$159.00
MT-64-010	5	\$180.50
MT-65-002	4	\$72.00
MT-65-003	6	\$81.00
MT-65-004R	11	\$86.00
MT-65-005	4	\$92.00
MT-65-006	2	\$106.00
MT-65-006R	5	\$106.00
MT-65-008	4	\$106.00
MT-65-006R	5	\$106.00
MT-65-008	5	\$106.00
MT-65-010	3	\$138.00
MT-65-012	4	\$149.00
MT-66-001	4	\$209.00
MT-67-010	3	\$256.00
MT-68-020	5	\$189.50
MT-69-001	3	\$81.00
MT-71-006	5	\$78.00
MT-71-008	5	\$84.00
MT-71-012	4	\$100.50
MT-71-016	4	\$106.00
MT-71-020	3	\$120.50
MT-71-024	3	\$129.50
MT-72-002	1	\$257.50
MT-72-004	2	\$272.00
MT-73-002	3	\$103.50
MT-73-004	2	\$115.00
MT-73-006	3	\$128.00
MT-73-008	3	\$142.50



COMPATIBILITY CHART	
PART	FOR
C600	Ryobi AP10
C610	Makita 030N
C573	Foley-Belsaw
C630	Delta RC33
C620	Makita 2040

HSS PLANER & JOINTER KNIVES HIGH SPEED STEEL INDUSTRIAL					
PART	LENGTH	WIDTH	THICKNESS	QTY	PRICE
C310	4"	5/8"	1/8"	3	\$28.84
C320	4"	7/8"	1/8"	3	\$28.84
C330	4-3/8"	11/16"	1/8"	3	\$32.91
C350	6"	5/8"	1/8"	3	\$44.29
C351	6"	5/8"	1/8"	4	\$58.04
C360	6"	7/8"	1/8"	3	\$46.06
C370	6"	1"	1/8"	2	\$34.85
C390	6-1/16"	3/4"	1/8"	3	\$46.06
C400	6-1/8"	11/16"	1/8"	3	\$46.06
C410	6-1/8"	3/4"	1/8"	3	\$46.06
C420	6-1/2"	1"	1/8"	3	\$48.01
C430	8"	5/8"	1/16"	4	\$78.50
C440	8"	5/8"	1/8"	4	\$78.50
C441	8"	5/8"	1/8"	3	\$58.04
C460	8"	3/4"	1/8"	3	\$58.04
C470	8"	7/8"	1/8"	3	\$58.04
C480	8"	1"	1/8"	3	\$58.04
C490	8-1/16"	5/8"	3/32"	3	\$58.04
C491	8-1/16"	5/8"	3/32"	4	\$78.50
C500	8-1/4"	1-1/4"	1/8"	3	\$56.99
C600	10"	1-3/8"	1/8"	2	\$64.58
C510	12"	5/8"	1/8"	3	\$85.00
C520	12"	3/4"	1/8"	3	\$85.00
C010	12"	7/8"	1/8"	1	\$28.84
C540	12"	1"	1/8"	3	\$85.00
C550	12-1/4"	5/8"	1/8"	3	\$89.53
C560	12-1/4"	3/4"	1/8"	3	\$89.53
C570	12-1/4"	1"	1/8"	3	\$89.53
C610	12-1/2"	35mm	1/8"	2	\$82.98

HSS PLANER & JOINTER KNIVES HIGH SPEED STEEL INDUSTRIAL					
PART	LENGTH	WIDTH	THICKNESS	QTY	PRICE
C573	12-1/2"	11/16"	1/8"	3	\$89.53
C012	12"	7/8"	1/8"	3	\$89.53
C020	12-1/2"	15/16"	1/8"	1	\$30.79
C630	13-1/8"	1"	1/8"	3	\$124.74
C030	13-1/8"	11/16"	5/32"	1	\$39.64
C045	15"	1"	1/8"	3	\$107.70
C620	15-5/8"	35mm	1/8"	2	\$101.57
C035	18"	1-1/8"	5/32"	1	\$49.78
C593	18-1/2"	11/16"	1/8"	3	\$132.24
C040	19"	11/16"	1/8"	1	\$46.06
C050	20"	1"	1/8"	1	\$48.01
C052	20"	1-3/16"	1/8"	4	\$200.55
C055	20-1/2"	11/16"	1/8"	3	\$143.85
C060	24"	1-1/8"	5/32"	1	\$74.79
C070	24"	1-1/2"	5/32"	1	\$89.53
C090	25"	5/8"	3/32"	1	\$64.58
C100	25"	5/8"	1/8"	1	\$64.58
C110	25"	3/4"	1/8"	1	\$60.98
C120	25"	1-1/4"	1/8"	1	\$62.70
C130	25"	1-1/4"	5/32"	1	\$76.73
C583	25"	11/16"	1/8"	3	\$190.40
C140	30"	1-1/2"	1/8"	1	\$101.57
C150	37"	1-1/8"	1/8"	1	\$98.86
C160	37"	1-3/8"	1/8"	1	\$113.54
C170	37"	1-3/8"	5/32"	1	\$143.15
C180	37"	1-1/4"	5/32"	1	\$126.51
C190	37"	1-1/2"	5/32"	1	\$150.64
C200	37"	2"	5/32"	1	\$188.44

DADO SETS					
PART	ARBOR	CHIPPER PLATE THICKNESS	DIAMETER	TEETH	PRICE
SD200 SERIES PRO DADO SETS					
Set Includes 2 Blades, Shim Set, Spacers, 3 Chippers					
SD206	5/8"	(3) 1/8"	6"	10	\$147.68
SD208S	5/8"	(3) 1/8"	8"	12	\$168.85
SD300 SERIES SAFETY DADO SETS					
Set Includes 2 Blades, Shim Set, 5 Chippers					
SD306	5/8"	(4) 1/8" (1) 1/16"	6"	18	\$239.66
SD308	5/8"	(4) 1/8" (1) 1/16"	8"	22	\$256.04
SD500 SERIES SUPER DADO SETS					
Set Includes 2 Blades, Shim Set, 6 Chippers					
SD506	5/8"	(4) 1/8" (1) 3/32" (1) 1/16"	6"	20	\$312.74
SD508	5/8"	(4) 1/8" (1) 3/32" (1) 1/16"	8"	24	\$354.38
SD510	1"	(4) 1/8" (1) 3/32" (1) 1/16"	10"	32	\$414.99
SD512	1"	(4) 1/8" (1) 3/32" (1) 1/16"	12"	36	\$459.48



Features TiCo™
Hi-Density Carbide
Crosscutting Blend For
Clean, Crisp Grooves



SBOX8 SERIES BOX JOINT CUTTER SET						
SET INCLUDES 2 BLADES						
PART	ARBOR	WIDTH OF CUT	DIAMETER	HOOK ANGLE	TEETH	PRICE
SBOX8	5/8"	1/4" Groove & 3/8" Groove	8"	20°	20	\$135.50

RIPPING BLADES						
PART	DIAMETER	KERF	PLATE	ARBOR	TEETH	PRICE
THICK STOCK RIP SILVER ICE LM71M						
LM71M010	10"	.153	.118	5/8"	18 FLAT	\$72.97
LM71M012	12"	.165	.118	1"	20 FLAT	\$77.97
LM71M014	14"	.165	.118	1"	24 FLAT	\$94.97
LM71M016	16"	.177	.118	1"	28 FLAT	\$112.97
HEAVY DUTY RIP SILVER ICE LM72M						
LM72M008	8"	.126	.087	5/8"	24 FLAT	\$57.97
LM72M010	10"	.126	.087	5/8"	24 FLAT	\$64.97
LM72M012	12"	.169	.118	1"	30 FLAT	\$89.97
LM72M014	14"	.169	.118	1"	30 FLAT	\$99.97
LM72M016	16"	.177	.118	1"	36 FLAT	\$119.97
HEAVY DUTY RIP PERMA SHIELD LM72R						
LM72R008	8"	.126	.087	5/8"	24 FLAT	\$64.97
LM72R010	10"	.126	.087	5/8"	24 FLAT	\$74.97
LM72R012	12"	.169	.118	1"	30 FLAT	\$99.97
LM72R014	14"	.169	.118	1"	30 FLAT	\$114.97
LM72R016	16"	.177	.118	1"	36 FLAT	\$139.97
GLUE LINE RIP SILVER ICE LM74M						
LM74M010	10"	.118	.098	5/8"	30 TCG	\$69.97
GLUE LINE RIP PERMA SHIELD LM74R						
LM74R010	10"	.118	.098	5/8"	30 TCG	\$79.97
LM74R012	12"	.118	.098	1"	40 TCG	\$99.97
LM74R014	14"	.138	.118	1"	44 TCG	\$124.97
THIN KERF GLUE LINE RIP PERMA SHIELD LM75R						
LM75R010	10"	.091	.071	5/8"	30 TCG	\$69.97

ALUMINUM BLADES						
PART	DIAMETER	KERF	PLATE	ARBOR	TEETH	PRICE
MEDIUM STOCK ALUMINUM METAL SILVER ICE LU77M						
LU77M008	8"	.091	.071	5/8"	60 TCG	\$69.97
LU77M010	10"	.011	.087	5/8"	80 TCG	\$87.97
LU77M012	12"	.011	.087	1"	96 TCG	\$104.97
THIN STOCK ALUMINUM METAL SILVER ICE LU90M						
LU90M010	10"	.091	.071	5/8"	100 TCG	\$119.97
LU90M012	12"	.091	.071	1"	120 TCG	\$147.97
THICK STOCK ALUMINUM METAL SILVER ICE LU89M						
LU89M008	8"	.091	.071	5/8"	48 TCG	\$82.97
LU89M010	10"	.11	.087	5/8"	60 TCG	\$99.97
LU89M012	12"	.11	.087	1"	72 TCG	\$124.97
LU89M014	14"	.142	.118	1"	100 TCG	\$154.97
LU89M015	15"	.142	.118	1"	108 TCG	\$192.97
LU89M016	16"	.142	.118	1"	114 TCG	\$219.97

GENERAL PURPOSE/COMBINATION BLADES						
PART	DIAMETER	KERF	PLATE	ARBOR	TEETH	PRICE
PREMIER FUSION GENERAL PURPOSE PERMA SHIELD P410						
P408	8"	.126	.098	5/8"	34 Hi-ATB	\$94.97
P410	10"	.126	.098	5/8"	40 Hi-ATB	\$99.97
P412	12"	.126	.098	1"	48 Hi-ATB	\$129.97
P414	14"	.126	.098	1"	54 Hi-ATB	\$159.97
THIN KERF GENERAL PURPOSE PERMA SHIELD LU86R						
LU86R008	8"	.087	.063	5/8"	34 ATB	\$47.97
LU86R010	10"	.094	.071	5/8"	40 ATB	\$52.97
LU86R012	12"	.094	.071	1"	48 ATB	\$62.97
LU86R014	14"	.106	.079	1"	54 ATB	\$82.97
COMBINATION SILVER ICE LU84M						
LU84M008	8"	.126	.087	5/8"	40 COMB	\$67.97
LU84M009	9"	.126	.087	5/8"	40 COMB	\$69.97
LU84M011	11"	.126	.087	5/8"	50 COMB	\$74.97
LU84M012	12"	.126	.087	1"	60 COMB	\$109.97
LU84M014	14"	.157	.118	1"	70 COMB	\$129.97
LU84M016	16"	.157	.118	1"	80 COMB	\$147.97
COMBINATION PERMA SHIELD LU84M						
LU84R008	8"	.126	.087	5/8"	40 COMB	\$77.97
LU84R009	9"	.126	.087	5/8"	40 COMB	\$79.97
LU84R011	11"	.126	.087	5/8"	50 COMB	\$84.97
LU84R012	12"	.126	.087	1"	60 COMB	\$124.97
LU84R014	14"	.157	.118	1"	70 COMB	\$149.97
LU84R016	16"	.157	.118	1"	80 COMB	\$179.97
THIN KERF COMBINATION PERMA SHIELD LU83R						
LU83R008	8"	.083	.063	5/8"	40 COMB	\$57.97
LU83R010	10"	.091	.071	5/8"	50 COMB	\$69.97
LU83R012	12"	.091	.071	1"	60 COMB	\$84.97
LU83R015	15"	.098	.079	1"	80 COMB	\$109.97
HIGH PRODUCTION GENERAL PURPOSE SILVER ICE LU71M						
LU71M014	14"	.165	.118	1"	42 ATB	\$109.97
LU71M016	16"	.177	.118	1"	48 ATB	\$129.97
GENERAL PURPOSE SILVER ICE LU72M						
LU72M014	14"	.138	.098	1"	54 ATB	\$109.97
LU72M016	16"	.150	.110	1"	60 ATB	\$127.97
LU72M018	18"	.157	.118	1"	66 ATB	\$209.97
LU72M020	20"	.165	.126	1"	72 ATB	\$234.97
HEAVY DUTY MULTI PURPOSE SILVER ICE LU82M						
LU82M008	8"	.126	.087	5/8"	48 TCG	\$79.97
LU82M009	9"	.126	.087	5/8"	54 TCG	\$82.97
LU82M010	10"	.126	.087	5/8"	60 TCG	\$79.97
LU82M012	12"	.126	.087	1"	72 TCG	\$119.97
LU82M014	14"	.169	.118	1"	84 TCG	\$159.97
LU82M016	16"	.177	.118	1"	96 TCG	\$184.97

CROSSCUTTING BLADES						
PART	DIAMETER	KERF	PLATE	ARBOR	TEETH	PRICE
CABINET MAKER'S CROSSCUT SILVER ICE LU73M						
LU73M014	14"	.138	.098	1"	84 ATB	\$134.97
LU73M016	16"	.150	.110	1"	96 ATB	\$159.97
LU73M018	18"	.157	.118	1"	108 ATB	\$264.97
THIN KERF SLIDING COMPOUND MITER SAW SIVER ICE LU91M						
LU91M008	8.5"	.090	.071	5/8"	48 ATB	\$64.97
LU91M010	10"	.090	.071	5/8"	60 ATB	\$67.97
LU91M012	12"	.090	.071	1"	72 ATB	\$89.97
THIN KERF SLIDING COMPOUND MITER SAW PERMA SHIELD LU91R						
LU91R008	8.5"	.090	.071	5/8"	48 ATB	\$72.97
LU91R010	10"	.090	.071	5/8"	60 ATB	\$84.97
LU91R012	12"	.090	.071	1"	72 ATB	\$104.97
THIN KERF FINE FINISH CROSSCUT PERMA SHIELD LU88R						
LU88R008	8"	.083	.063	5/8"	48 ATB	\$57.97
LU88R009	9"	.090	.071	5/8"	54 ATB	\$62.97
LU88R010	10"	.090	.071	5/8"	60 ATB	\$67.97
LU88R012	12"	.094	.071	1"	80 ATB	\$89.97
ULTIMATE CUT OFF PERMA SHIELD LU85R						
LU85R008	8"	.116	.098	5/8"	64 ATB	\$84.97
LU85R009	9"	.116	.098	5/8"	72 ATB	\$99.97
LU85R010	10"	.116	.098	5/8"	80 ATB	\$104.97
LU85R012	12"	.116	.098	1"	96 ATB	\$147.97
LU85R014	14"	.136	.118	1"	108 ATB	\$169.97
LU85R015	15"	.136	.118	1"	108 ATB	\$174.97
THIN KERF ULTIMATE CUT OFF 10° HOOK ANGLE PERMA SHIELD LU74R						
LU74R008	8"	.087	.063	5/8"	64 ATB	\$64.97
LU74R010	10"	.091	.071	5/8"	80 ATB	\$79.97
LU74R012	12"	.091	.071	1"	96 ATB	\$114.97
LU74R014	14"	.118	.087	1"	108 ATB	\$129.97

PLYWOOD BLADES						
PART	DIAMETER	KERF	PLATE	ARBOR	TEETH	PRICE
ULTIMATE PLYWOOD & MELAMINE PERMA SHIELD LU80R						
LU80R010	10"	.126	.087	5/8"	80 Hi-ATB	\$99.97
LU80R012	12"	.126	.087	1"	96 Hi-ATB	\$149.97
THIN KERF ULTIMATE PLYWOOD & MELAMINE PERMA SHIELD LU79R						
LU74R007	7-1/4"	.079	.063	5/8"	60 Hi-ATB	\$62.97
LU79R010	10"	.098	.071	5/8"	80 Hi-ATB	\$89.97
LU79R012	12"	.098	.071	1"	96 Hi-ATB	\$114.97

LAMINATE & MELAMINE BLADES						
PART	DIAMETER	KERF	PLATE	ARBOR	TEETH	PRICE
THICK STOCK LAMINATE SILVER ICE LU92M						
LU92M008	8"	.126	.087	5/8"	48 MTCG	\$77.97
LU92M009	9"	.126	.087	5/8"	56 MTCG	\$94.97
LU92M010	10"	.126	.087	5/8"	60 MTCG	\$104.97
LU92M012	12"	.126	.087	1"	72 MTCG	\$119.97
LU92M014	14"	.138	.098	1"	84 MTCG	\$157.97
DOUBLE SIDED LAMINATE/MELAMINE SILVER ICE LU97M						
LU97M010	10"	.126	.087	5/8"	80 TCG	\$104.97
DOUBLE SIDED LAMINATE/MELAMINE PERMA SHIELD LU97R						
LU97R008	8"	.126	.087	5/8"	64 TCG	\$104.97
LU97R010	10"	.126	.087	5/8"	80 TCG	\$119.97
LU97R012	12"	.126	.087	1"	96 TCG	\$139.97
LU97R014	14"	.138	.098	1"	108 TCG	\$157.97
THIN KERF DOUBLE SIDED LAMINATE/MELAMINE PERMA SHIELD LU96R						
LU96R008	8"	.083	.063	5/8"	64 TCG	\$77.97
LU96R010	10"	.091	.071	5/8"	80 TCG	\$89.97
LU96R012	12"	.091	.071	1"	96 TCG	\$114.97

SPECIALTY BLADES						
PART	DIAMETER	KERF	PLATE	ARBOR	TEETH	PRICE
INDUSTRIAL PLASTICS SILVER ICE LU94M						
LU94M008	8"	.110	.087	5/8"	64 MTCG	\$69.97
LU94M010	10"	.110	.087	5/8"	80 MTCG	\$99.97
LU94M012	12"	.110	.087	1"	96 MTCG	\$147.97
LU94M014	14"	.110	.087	1"	108 MTCG	\$157.97
SOLID SURFACE SILVER ICE LU95M						
LU95M010	10"	.126	.087	5/8"	72 MTCG	\$134.97
SOLID SURFACE PERMA SHIELD LU95R						
LU95R010	10"	.126	.087	5/8"	72 MTCG	\$142.97
LU95R012	12"	.126	.087	1"	84 MTCG	\$144.97
LU95R014	14"	.138	.098	1"	96 MTCG	\$179.97

LAMINATE & MELAMINE BLADES							
PART	DIAMETER	KERF	PLATE	ARBOR	HOOK ANGLE	TEETH	PRICE
SINGLE SIDED LAMINATE/MELAMINE PERMA SHIELD LU98R							
LU98R007	7"	.126	.087	5/8"	5°	56 TCG	\$99.97
LU98R008	8"	.126	.087	5/8"	5°	64 TCG	\$104.97
LU98R009	9"	.126	.087	5/8"	5°	72 TCG	\$114.97
LU98R010	10"	.126	.087	5/8"	5°	80 TCG	\$119.97
LU98R012	12"	.126	.098	1"	5°	96 TCG	\$147.97
LU98R014	14"	.138	.110	1"	7°	108 TCG	\$169.97
LU98R016	16"	.150	.118	1"	10°	120 TCG	\$229.97

PANEL SIZING BLADES					
PART	DIAMETER	KERF	ARBOR	TEETH/GRIND	PRICE
ADJUSTABLE SCORING 11° HOOK ANGLE SILVER ICE LI16M					
LI16MAA3	120mm	2.8-3.6	20	12+12 Split Score	\$142.97
LI16MAB3	120mm	2.8-3.6	22	12+12 Split Score	\$142.97
LI16MBA3	100mm	2.8-3.6	20	12+12 Split Score	\$142.97
LI16MBB3	100mm	2.8-3.6	22	12+12 Split Score	\$142.97
LI16MCA3	105mm	2.8-3.6	20	10+10 Split Score	\$133.97
LI16MEA3	125mm	2.8-3.6	20	14+14 Split Score	\$146.97
LI16MFA3	125mm	2.8-3.6	20	12+12 Split Score	\$142.97
LI16MGA3	80mm	2.8-3.6	20	12+12 Split Score	\$142.97
LI16MHA3	80mm	2.8-3.6	20	10+10 Split Score	\$133.97

PANEL SIZING BLADES								
PART	DIAMETER	KERF	PLATE	ARBOR	HOOK ANGLE	TEETH/GRIND	PIN HOLES	PRICE
PANEL SIZING SILVER ICE LSBX								
LSB32001X	320mm	4.4	3.2	65	10°	72/TCG	2/9/110	\$244.97
LSB35003X	350mm	4.4	3.2	30	10°	72/TCG	2/10/60	\$250.97
LSB35004X	350mm	4.4	3.2	60	10°	72/TCG	2/14/100	\$252.97
LSB35005X	350mm	4.4	3.2	80	10°	72/TCG	4/9/100 + 2/9/110 + 2/14/110	\$251.97
LSB35006X	350mm	4.4	3.2	50	10°	72/TCG	4/13/80	\$256.97
LSB35503X	355mm	4.4	3.2	80	10°	54/TCG	4/9/100 + 2/9/110 + 2/14/110	\$251.97
LSB35505X	355mm	4.4	3.2	75	10°	72/TCG	4/15/105	\$255.97
LSB35506X	355mm	4.4	3.2	80	10°	72/TCG	4/9/100 + 2/9/110 + 2/14/110	\$255.97
LSB38002X	380mm	4.4	3.2	60	10°	72/TCG	2/14/100	\$281.97
LSB38004X	380mm	4.8	3.5	60	10°	72/TCG	2/14/100	\$324.97
SLIDING & VERTICAL PANEL SIZING SILVER ICE LU3A								
LU3A01	220mm	3.2	2.2	30	-5°	64/Hi-ATB	2/7/42	\$147.47
LU3A02	250mm	3.2	2.2	30	-2°	80/Hi-ATB	2/7/42 + 2/9/46.4 + 2/10/60	\$149.47
LU3A03	300mm	3.2	2.2	30	2°	96/Hi-ATB	2/7/42 + 2/9/46.4 + 2/10/60	\$190.47
LU3A04	350mm	3.5	2.5	30	5°	108/Hi-ATB	2/9/46.4 + 2/10/60	\$241.97
LU3A06	300mm (12")	3.2 (.126")	2.2 (.087")	25.4 (1")	2°	96/Hi-ATB	—	\$207.97
SLIDING & VERTICAL PANEL SIZING SILVER ICE LU3B								
LU3B02	250mm	3.2	2.2	30	10°	48/HG	2/7/42 + 2/9/46.4 + 2/10/60	\$153.47
LU3B03	303mm	3.2	2.2	30	10°	60/HG	2/7/42 + 2/9/46.4 + 2/10/60	\$187.47
SLIDING & VERTICAL PANEL SIZING SILVER ICE LU3E								
LU3E02	250mm	3.2	2.2	30	-6°	60/TCG	2/7/42 + 2/9/46.4 + 2/10/60	\$110.97
SLIDING & VERTICAL PANEL SIZING SILVER ICE LU3F								
LU3F01	220mm	3.2	2.2	30	-3°	64/TCG	2/7/42	\$128.47
LU3F02	250mm	3.2	2.2	30	-3°	80/TCG	2/9/46.4 + 2/10/60	\$151.47
LU3F03	300mm	3.2	2.2	30	-3°	96/TCG	2/9/46.4 + 2/10/60	\$188.47
SLIDING PANEL SIZING SILVER ICE LU3D								
LU3D02	220mm	3.2	2.2	30	5°	64/TCG	2/7/42	\$123.47
LU3D04	250mm	3.2	2.2	30	5°	80/TCG	2/7/42 + 2/9/46.4 + 2/10/60	\$174.97
LU3D06	300mm	3.2	2.2	30	5°	96/TCG	2/7/42 + 2/9/46.4 + 2/10/60	\$224.47
LU3D11	250mm	3.2	2.2	30	10°	60/TCG	2/7/42 + 2/9/46.4 + 2/10/60	\$145.97
LU3D15	300mm	3.2	2.2	30	10°	96/TCG	2/7/42 + 2/9/46.4 + 2/10/60	\$224.47
LU3D21	300mm	3.2	2.2	30	10°	72/TCG	2/7/42 + 2/9/46.4 + 2/10/60	\$195.47

DIABLO SAW BLADES WOOD & WOOD COMPOSITES							
PART	DIAMETER	MACHINE USE	APPLICATION	TEETH	ARBOR	KERF	PRICE
D0436X	4-1/2"	Trim Saw	Finish	36 ATB	3/8"	.049	\$19.97
D0516X	5-3/8"	Trim Saw	Fast Framing	16 ATB	10mm	.049	\$13.97
D0524X	5-3/8"	Trim Saw	Framing	24 ATB	10mm	.049	\$14.97
D0536X	5-3/8"	Trim Saw	Finish	36 ATB	10mm	.049	\$17.97
D0620X	6"	Saw Boss	Framing	20 ATB	1/2"	.049	\$13.97
D0640X	6"	Saw Boss	Finish	40 ATB	1/2"	.049	\$16.97
D0624X	6-1/2"	Circular Saw	Framing	24 C-ATB	5/8"	.059	\$11.97
D0641X	6-1/2"	Circular Saw	Finish & Plywood	40 ATB	5/8"	.059	\$19.97
D0724W	7-1/4"	Circular Saw	Framing	24 TP/ATB	5/8"	.059	\$9.97
D0724X	7-1/4"	Circular Saw	Framing	24 TP/ATB	5/8"	.059	\$9.97
D0740X	7-1/4"	Circular Saw	Finish	40 ATB	5/8"	.059	\$14.97
D0760X	7-1/4"	Circular Saw	Ultra Finish	60 ATB	5/8"	.059	\$19.97
D0824X	8-1/4"	Table Saw	Ripping	24 ATB	5/8"	.094	\$18.97
D0840X	8-1/4"	Table Saw	General Purpose	40 ATB	5/8"	.094	\$34.97
D0840S	8-1/2"	Miter/Slide Miter Saw	General Purpose	40 ATB	5/8"	.094	\$34.97
D0860S	8-1/2"	Miter/Slide Miter Saw	Fine Finish	60 ATB	5/8"	.087	\$49.97
D1024X	10"	Table Saw	Ripping	24 ATB	5/8"	.098	\$28.97
D1040X	10"	Chop Miter Saw or Table Saw	General Purpose	40 Hi-ATB	5/8"	.098	\$29.97
D1050X	10"	Chop Miter Saw or Table Saw	Combination	50 COMB	5/8"	.098	\$37.97
D1060S	10"	Slide Miter Saw	Fine Finish	60 ATB	5/8"	.087	\$49.97
D1060X	10"	Chop Miter Saw or Table Saw	Fine Finish	60 Hi-ATB	5/8"	.098	\$39.97
D1080X	10"	Chop Slide Miter Saw or Table Saw	Ultra Finish	80 Hi-ATB	5/8"	.098	\$49.97
D1040W	10-1/4"	Circular Saw	General Purpose	40 ATB	5/8"	.063	\$38.97
D1244X	12"	Chop/Slide Miter Saw	General Purpose	44 ATB	1"	.098	\$34.97
D1280X	12"	Chop/Slide Miter Saw	Fine Finish	80 Hi-ATB	1"	.118	\$54.97
D1484X	14"	Chop Miter Saw	Fine Finish	84 ATB	1"	.118	\$84.97
D1632X	16-5/16"	Circular Saw	General Purpose	32 ATB	1"/25.4mm	.114	\$107.97
D1660X	16-5/16"	Circular Saw	Fine Finish	60 ATB	1"	.114	\$134.97

FREUD NON-FERROUS - FERROUS - HARDIPLANK/HARDIEBLADE/HARDIETRIM

DIABLO SAW BLADES NON-FERROUS METALS/PLASTICS/LAMINATE/LAMINATE FLOORING							
PART	DIAMETER	MACHINE USE	APPLICATION	TEETH	ARBOR	KERF	PRICE
D0756N	7-1/4"	Circular Saw	Non-Ferrous Metals/Plastics	56 TCG	5/8"	.106	\$32.97
D1080N	10"	Chop/Slide Miter Saw	Non-Ferrous Metals/Plastics	80 TCG	5/8"	.094	\$59.97
D1084L	10"	Chop/Slide Miter Saw	Non-Ferrous Metals	84 TCG	5/8"	.098	\$64.97
D1296N	12"	Chop/Slide Miter Saw	Non-Ferrous Metals/Plastics	96 TCG	1"	.091	\$64.97
D1296L	12"	Chop/Slide Miter Saw	Laminate/Laminate Flooring	96 TCG	1"	.091	\$74.97

DIABLO STEEL DEMON SAW BLADES FERROUS (MILD STEEL ONLY) METALS/STEEL STUDS/ANGLE IRON/FLAT BAR/EMT CONDUIT/ALL-THREAD						
PART	DIAMETER	MACHINE USE	TEETH	ARBOR	MAX CUT THICKNESS	PRICE
D0530F	5-3/8"/137mm	Circular Saw	30 TCG	10mm	1/8"	\$29.23
D0530FM	5-3/8"/137mm	Panasonic/Similar Metal Cutting Saws	30 TCG	20mm	1/8"	\$30.07
D0648F	6-1/2"/165mm	Circular Saw	48 TCG	5/8"	1/8"	\$40.04
D0649F	6-3/4"/172mm	Circular Saw	48 TCG	20mm	1/8"	\$40.04
D0738FM	7"/180mm	Evolution/Jancy/Morse	38 TCG	20mm	1/8"	\$40.04
D0770FM	7"/180mm	Evolution/Jancy/Morse	70 TCG	20mm	1/8"	\$50.72
D0748F	7-1/4"/182mm	Circular Saw	48 TCG	5/8"	1/8"	\$42.00
D0756F	7-1/4"/182mm	Circular Saw	56 TCG	5/8"	1/8"	\$47.60
D0770F	7-1/4"/182mm	Circular Saw	70 TCG	5/8"	1/8"	\$50.72

DIABLO HARDIEBLADE SAW BLADES HARDIEPLANK/HARDIESOFFIT/HARDIETRIM/FIBER CEMENT PRODUCTS						
PART	DIAMETER	MACHINE USE	APPLICATION	TEETH	ARBOR	PRICE
D0704DH	7-1/4"	Circular Saw	HARDIE and Fiber Cement Products	4 PCD	5/8"	\$44.97
D1006DH	10"	Miter/Table Saw	HARDIE and Fiber Cement Products	6 PCD	5/8"	\$94.97
D1208DH	12"	Miter Saw	HARDIE and Fiber Cement Products	8 PCD	1"	\$124.97

PLANER & JOINTER KNIFE SETS

GLOBAL

V2-HSS PART #	V2-HSS PRICE	LENGTH	WIDTH	THICKNESS	KNIVES IN SET	FITS PLANER/JOINTER	CARBIDE TIPPED PART#	CARBIDE TIP PRICE
SVB462509375	\$16.50	4"	5/8"	3/32"	3	Delta 37-290, Walker-Turner		
SVB4625125	\$16.58	4"	5/8"	1/8"	3	Atlas, Boice Crane, Old Craftsman, Jet JJ-4 & Similar Jointers	SBC4625125	\$73.77
SVB41256880625	\$40.20	4-1/8"	11/16"	1/16"	3	Craftsman 113.21862		
SVB4125875125	\$49.87	4-1/8"	7/8"	1/8"	2	Older Craftsman 149.236220, 149.236221, 149.236223 (3 Slotted Holes)		
SVB42575125	\$24.69	4-1/4"	3/4"	1/8"	3	Older Craftsman Jointer		
SVB43756255125	\$21.20	4-3/8"	5/8"	1/8"	3	Older Craftsman Jointer 103.23220		
SVB4375688125	\$23.59	4-3/8"	11/16"	1/8"	3	Older Craftsman Jointer 103.20670, 103.21820, 103.23340	SBC4375688125	\$98.36
SVB519875078	\$53.49	5-3/16"	7/8"	2mm	2	Older Craftsman Jointer 149.236320 (3 Slotted Holes)		
SVB6625125	\$23.16	6"	5/8"	1/8"	3	Delta 6", TTL, Boice Crane, Craftsman, Rockwell, Jet JJ-6 Sunhill, Woodtek, Most Imports	SBC6625125	\$110.71
SVB6625125-4	\$30.93	6"	5/8"	1/8"	4	Boice Crane		
PKH-14803	\$23.44	6"	16.5mm	2.7mm	3	6" Delta 37-195, Delta 37-275X & Delta 37-190		
SVB675125	\$24.19	6"	3/4"	1/8"	3	Powermatic 50, Crescent, Atlas	SBC675125	\$115.88
SVB61125	\$31.33	6"	1"	1/8"	3	Grizzly G6697	SBC61125	\$116.28
SVB6-1/1662512	\$23.49	6-1/16"	5/8"	1/8"	3	Older Powermatic 54A (No Holes), Jet JJ-6	SBC6062625125	\$122.00
SVB6-1/1675125	\$24.45	6-1/16"	3/4"	1/8"	3	Delta, Walker-Tuner, Wallace	SBC6-1/1675125	\$117.08
SVB6062812125	\$31.40	6-1/16"	13/16"	1/8"	3	Delta DJ-15, 37-154 & Similar 6" Jointers	SBC6062812125	\$122.06
PKH-14813	\$70.83	6-1/16"	7/8"	5/64"	3	6" Newer Powermatic 54A Jet JJ-6CSDX (Double Edge, with Holes)		
SVB6125625093	\$23.66	6-1/8"	5/8"	3/32"	3	Delta 37-658, 37-205, 37-220, 37-195, 37-190 Jointers, Rockwell 37-280		
SVB6125625125	\$23.66	6-1/8"	5/8"	1/8"	3	Craftsman		
SVB6125688125	\$24.65	6-1/8"	11/16"	1/8"	3	Jet, Ridgid JP0610	SBC6125688125	\$123.42
PKH-14801	\$20.32	6-3/16"	7/8"	1/16"	2	6" Delta 37-070 & Delta JT160 (with Holes)		
PKH-14815	\$24.93	6.22"	7/8"	0.070"	2	6" Craftsman 351.217880 & 351.286300 (with Holes)		
SVB7625125	\$25.75	7"	5/8"	1/8"	3			
SVB8625125	\$29.57	8"	5/8"	1/8"	3	Delta 8", TTL, Boice Crane, Rockwell, Powermatic 60, Jet JJ-8, Woodtek, Most Imports	SBC8625125	\$161.05
SVB875125	\$32.19	8"	3/4"	1/8"	3	Jet JJ-8 Jointer, Powermatic 60, Pryor, Sunhill	SBC875125	\$154.46
SVB875125-4	\$51.00	8"	3/4"	1/8"	4	Bridgewood, Grizzly 8"	SBC875125B	\$203.71
SVB8875125	\$41.53	8"	7/8"	1/8"	3	Older Powermatic 60	SBC8875125	\$161.42
SVB81125	\$39.84	8"	1"	1/8"	3	Grizzly G6698, Oliver, Shop Fox W1684	SBC81125	\$155.08
SVB80626093	\$31.13	8-1/16"	5/8"	3/32"	3	Delta 37-315, Yates, J-Line		
SVB8-1/16625125	\$29.83	8-1/16"	5/8"	1/8"	3	Delta		
SVB8-1/1675125	\$31.53	8-1/16"	3/4"	1/8"	3	Sunhill Machinery	SBC8-1/16675125	\$155.73
SVB8062812125	\$40.23	8-1/16"	13/16"	1/8"	3	Delta DJ-20, 37-365 & Similar	SBC8062812125	\$162.65
SVB10687125-2	\$31.56	10-1/4"	11/16"	1/8"	2	Grizzly G0675, Central Machine S-6935		
SVB1278118	\$61.46	11-13/16" 300mm	25/32" 20mm	1/8" 3mm	2	Logosol PH260		
PKH-12832	\$54.58	12"	5/16"	5/64"	2	12" Makita Model 2012 (Double Edge)		
PKH-12804	\$31.24	12"	15/32"	1/16"	2	12" Craftsman 21722, Central Machinery 95082 (Double Edge)		
SVB1275125	\$46.35	12"	3/4"	1/8"	3	Grizzly G6700		
SVB12875125	\$59.40	12"	7/8"	1/8"	3	Powermatic 100, Parks, Woodtek	SBC12875125	\$242.10
SVB121125	\$57.08	12"	1"	1/8"	3	Craftsman	SBC121125	\$232.52

V2-HSS PART #	V2-HSS PRICE	LENGTH	WIDTH	THICKNESS	KNIVES IN SET	FITS PLANER/JOINTER	CARBIDE TIPPED PART#	CARBIDE TIP PRICE
SVB12125125	\$72.00	12"	1-1/4"	1/8"	3	Northfield, Oliver, Powermatic 1285	SBC12125125	\$243.42
		12"	1-1/4"	1/8"	4	Northfield	SBC12125125-4	\$258.17
SVB122575125	\$47.34	12-1/4"	3/4"	1/8"	3	Boice Crane, Reliant, Wilke	SBC122575125	\$233.98
SVB1225875125	\$60.67	12-1/4"	7/8"	1/8"	3	Powermatic 100	SBC1225875125	\$247.17
SVB12251125	\$58.21	12-1/4"	1"	1/8"	3	Parks, Boice, Most European Combo Machines	SBC12251125	\$237.77
PKH-12810	\$45.31	12-15/32"	3/4"	1/16"	2	12" Delta 22-540 & TP300 (Double Edge)		
PKH-12803	\$46.89	12-1/2"	15/32"	1/16"	2	12-1/2" Delta 22-560, 22-565, TP305, TP400LS, Ryobi AP-12, Craftsman 21758, Grizzly G0663, Performax 240-3749, Porter Cable PC305TP, Powertec PL1250 (Double Edge)		
SVB12562525	\$43.99	12-1/2"	5/8"	1/8"	3	Boice Crane		
SVB1250687125	\$46.15	12-1/2"	11/16"	1/8"	3	RBI Model 812, Foley-Belsaw, Woodmaster 712, Jet	SBC1250687125	\$257.76
PKH-12818	\$53.97	12-1/2"	45/64"	1/8"	2	12-1/2" Craftsman 233780, Wilton 99178 & 34463, Rockwell RK9018, Jet 708813, JWP-12DX (Double Edge)		
SVB125075125-2	\$34.88	12-1/2"	3/4"	1/8"	2	Jet 708522, JWP 12-4P, Craftsman 233780	SBC125075125-2	\$174.86
SVB125075125	\$48.31	12-1/2"	3/4"	1/8"	3	Jet, Grizzly G1195, Wilke, Reliant, & Most 12" Imports	SBC125075125	\$251.87
PKH-12801	\$59.39	12-1/2"	7/8"	1/16"	3	12-1/2" DeWalt DW734 (HSS Double Edge, TCT is Single Edge, with Holes)	PKH-12801-C	\$242.98
PKH-12809	\$53.14	12-1/2"	1-1/16"	1/8"	2	12-1/2" DeWalt DW733 (with Holes & Slots)		
PKH-12806	\$28.12	13"	1/2"	1/16"	2	13" Ryobi AP1300, Order 2 Sets for 3 Knife Craftsman Model 21748 & 3 Knife Masterforce Model 2400045 (Double Edge, with Holes)		
PKH-12826	\$43.76	13"	3/4"	1/16"	2	13" Ryobi AP1301, Ridgid TP1300 (old Global # PKH-12807) (Double Edge)		
PKH-12800	\$68.15	13"	7/8"	1/16"	3	13" DeWalt DW735 (HSS is Double Edge, Carbide Tipped is Single Edge, with Holes)	PKH-12800-C	\$242.98
SVB13062625125	\$48.11	13-1/16"	5/8"	1/8"	3	Jet	SBC13063625125	\$242.98
PKH-13100	\$63.61	13.071" 332mm	0.866" 22mm	0.065" 1.66mm	2	13" Craftsman 351.217130 & 351.275190 (Double Edge, with Holes)		
PKH-12802	\$46.89	13-1/8"	15/32"	1/16"	2	13" Delta 22-580, Grizzly G0689 (Double Edge, with Holes)		
PKH-12827	\$77.84	13-1/8"	15/32"	1/16"	3	13" Delta 22-590, Steel City Model 40220 (Double Edge, with Holes)		
SVB13125625093	\$50.50	13-1/8"	5/8"	3/32"	3			
SVB131251116152	\$62.23	13-1/8"	11/16"	5/32"	3	Delta 22-401 (No slots in knife)		
SVB131251125	\$65.42	13-1/8"	1"	1/8"	3	Delta RC-33 & DC-33 13" Planer, Rockwell	SBC131251125	\$255.62
PKH-12828	\$36.83	13-3/8"	15/32"	1/16"	3	13" Rigid R4331 & R4330 (Double Edge, with Holes)		
SVB1278136	\$73.09	13-5/8" 346mm	25/32" 20mm	1/8" 3mm	2	Baker 412		
SVB151125	\$74.79	15"	1"	1/8"	3	Delta DC-380, Grizzly G6701, Reliant, Woodtek, TLL, Powermatic 15, Jet 708529G, JWP-15CS, JWP-15HO, Jet Knife #708807, JWP15HI-K, Most 15" Imports	SBC151125A	\$290.66
SVB15-1/161125	\$75.05	15-1/16"	1"	1/8"	3	Delta 22-677		
SVB155625125	\$52.43	15-1/2"	5/8"	1/8"	2	Craftsman 351.217450		
SCV1207-15.5	\$65.18	15-1/2"	0.7"	1/8"	3	RBI Model 616 (Corrugated Back Planer Knives)		
SVB15751187125	\$137.65	15-3/4	1-3/16" 30mm	1/8" 3mm	4	SCMI	SBC15751187125	\$338.17
SVB161125	\$79.54	16"	1"	1/8"	3	Jet JWP16	SBC161125	\$315.33
SVB161125125	\$121.67	16"	1-1/8"	1/8"	4	Bridgewood, Crescent, Grizzly 16"		
SVB16125125	\$97.38	16"	1-1/4"	1/8"	3	Northfield 16HD	SBC16125125	\$311.06
SVB16125125-4	\$129.87	16"	1-1/4"	1/8"	4			

V2-HSS PART #	V2-HSS PRICE	LENGTH	WIDTH	THICKNESS	KNIVES IN SET	FITS PLANER/JOINTER	CARBIDE TIPPED PART#	CARBIDE TIP PRICE
SVB16125875125-2	\$59.80	16-1/8"	7/8"	1/8"	2	Central Machine Auto Planer T39775		
SVB127816	\$93.03	16-5/32" 410mm	25/32" 20mm	1/8" 3mm	2	Logosol PH260, Baker 412		
SVB161871187125	\$131.23	16-3/16"	1-3/16"/30mm	1/8"/3mm	4	SCMI	SBC161871187125	\$419.37
SVB1625125156	\$120.97	16-1/4"	1-1/4"	5/32"	3	Powermatic 160	SBC1625125156	\$344.29
SVB1650687125	\$84.39	16-1/2"	11/16"	1/8"	4	RBI Model 816	SBC1650687125	\$384.32
SVB18125156	\$133.96	18"	1-1/4"	5/32"	3	Powermatic	SBC18125156	\$381.33
SVB181251125156	\$129.57	18-1/8"	1-1/8"	5/32"	3	Rockwell, Delta 22-212, Yates J180	SBC181251125156	\$383.27
SVB1825125156	\$135.79	18-1/4"	1-1/4"	5/32"	3	Powermatic180	SBC1825125156	\$386.65
SVB1825687125	\$70.97	18-1/2"	11/16"	1/8"	3	Woodmaster 718	SBC1825687125	\$341.55
SVB201125	\$101.00	20"	1"	1/8"	3	Grizzly, Northwood	SBC201125	\$387.56
SVB201125A	\$134.69	20"	1"	1/8"	4	Parks, TLL 20", Jet 208, Northstate, Grizzly G6702 Powermatic 209, Sunhill	SBC201125A	\$516.74
SVB201125125	\$152.13	20"	1-1/8"	1/8"	4	Delta 20x9 Crescent, Many European Machines	SBC201125125	\$540.27
SVB201187125	\$158.64	20"	1-3/16"	1/8"	4	Delta 20" Planer, Grizzly 20" H7269, Many Imports	SBC201187125	\$518.16
SVB20125125	\$119.17	20"	1-1/4"	1/8"	3	Woodtek 20"		
SVB127820	\$106.32	20-5/64" 510mm	25/32" 20mm	1/8" 3mm	2	Logosol PH360		
SVB201871187125	\$160.10	20-3/16"	1-3/16"	1/8"	4	Delta DC-580	SBC201881187125	\$523.01
SVB201871375125	\$178.84	20-3/16"	1-3/8"	1/8"	4	Delta RC-51, 22-460, Pinheiro	SBC20188138125	\$546.79
SVB2025125156	\$147.18	20-1/4"	1-1/4"	5/32"	3	Powermatic 221	SBC2025125156	\$429.02
SVB2050687125	\$108.87	20-1/2"	11/16"	1/8"	4	RBI Model 820	SBC2050687125	\$550.58
SCV1207-20.5	\$116.28	20-1/2"	0.7"	1/8"	3	RBI (Corrugated Back Planer Knives)		
SVB20501187125	\$162.63	20-1/2"	1-3/16"/30mm	1/8"/3mm	4	SCMI 520, 550, 552	SBC20501187125	\$531.09
SVB205138125	\$181.60	20-1/2"	1-3/8"	1/8"	4			
SVB221251125	\$149.04	22-1/8"	1"	1/8"	4	Powermatic 201		
SVB241125	\$167.88	24"	1"	1/8"	4			
SVB24125156	\$233.46	24"	1-1/4"	5/32"	4	Powermatic & Northfield	SBC24125156	\$677.94
SVB241251187125	\$198.61	24-1/8"	1-3/16"	1/8"	4	Grizzly G6705	SBC241251187125	\$658.08
SVB24251125125	\$133.59	24-1/4"	1-1/8"	1/8"	3	Delta 22-470	SBC24251125125	\$491.31
SVB24251125125-4	\$178.15	24-1/4"	1-1/8"	1/8"	4	Crescent (Delta)	SBC24251125125-4	\$655.10
SVB24125156-4	\$281.34	24-1/4"	1-1/4"	5/32"	4	Powermatic 225		
SVB24751125125	\$131.43	24-3/4"	1-1/8"	1/8"	3	Jet 24H	SBC24751125125	\$501.40
SVB248121375125	\$223.56	24-13/16"	1-3/8"	1/8"	4	Delta RC-63, 22-610	SBC24813138125	\$672.14
SVB25687125	\$100.97	25"	11/16"	1/8"	3	Woodmaster 725	SBC25688125	\$482.53
SVB25125125	\$187.91	25"	1-1/4"	1/8"	4	Powermatic		
SVB25138125	\$280.61	25"	1-3/8"	1/8"	4	Pinheiro		
SVB251871375125	\$224.03	25-3/16"	1-3/8"/35mm	1/8"/3mm	4	SCMI F630 & F535	SBC25813138125	\$643.04

We have knife sets for common handheld electric power planers from Makita, Bosch, Hitachi, Freud, Metabo, Skil, DeWalt, and Black & Decker. These knives may fit in some handheld power planers not listed. Contact us with planer compatibility questions.

ELECTRIC HANDHELD KNIFE SETS							
PART	LENGTH	WIDTH	THICKNESS	KNIVES IN SET	GRADE	FITS PLANER/JOINTER	PRICE
PKH-12833	3-1/4"/82mm	1-3/32"	1/8"	2	HSS	Hitachi P20SBK, P20SB (Single Edge)	\$7.51
PKH-12834	3-1/4"/82mm	1-1/8"	1/8"	2	HSS	Makita 1100, 1900B, N1900B, 1923B, N1923B, OEM # 731001-4, DeWalt DW6655, DW677, DW678, DW680K (Single Edge)	\$7.77
PKH-12836	4-3/8"	1-1/8"	1/8"	2	HSS	Makita 1002BA, 1911B, 1912B, 1805B, OEM # 793008-8 (Single Edge)	\$11.11
PKH-12839	6-1/8"/155mm	1-1/4"/32mm	1/8"/3mm	2	HSS	Makita 1805B	\$14.86

Lux Cut III spiral heads by Titan Knife are an excellent upgrade for planers and jointers. The design incorporates 4 edge carbide insert knives with a slight radius on the cutting face; set at a shear angle for better cutting and longer insert life and the unique insert design allows for simple and accurate installation and rotation.

IN STOCK AND READY TO SHIP TO YOU!

- Reduce noise – A 25 decibel average sound reduction is common
- Reduce grain tear-out and fuzzing
- Low cost operation – Four sided carbide knives can last up to 50 times longer than standard steel blades



Heads come with the inserts installed and ready to run. Also included: bearings, wrenches, spare knives (5-10) and spare screws (5-10)

PART	JOINTER/PLANER MODEL	PRICE
MSJ-G6-63	6" General Jointer (63mm cutting dia.)	\$472.00
MSJ-YC-6J	6" Yorkcraft YC-6J Jointer (64mm cutting dia.)	\$472.00
MSJ-37-315	8" Delta 37-315	\$616.00
MSJ-DJ-20	8" Delta DJ-20 Jointer	\$609.00
MSJ-G8M	8" General Jointer (3.125" cutting dia.)	\$609.00
MSJ-G085	8" Grizzly G0855 & G0857 Jointer	\$548.00
MSJ-P60	8" Powermatic P60A & P60B Jointer (5/8" dia. shaft)	\$609.00
MSJ-DW733-734	12-1/2" Dewalt DW733 & DW734 Planer	\$590.00
MSJ-DW735	13" Dewalt DW735 Planer	\$590.00
MSJ-R4331	13" Ridgid R4331	\$616.00
MSJ-TP1300	13" Ridgid TP1300, R4330, Cuttech 40200	\$616.00
MSJ-G15	15" General 4-Post Planer	\$1,076.00
MSJ-P180	18" Powermatic 180 (Bearings sold separately.)	\$1,681.00
MSJ-G20	20" General 4-Post Planer	\$1,596.00
MS-KS-LC	Spare Screw (T25)	\$1.66
IC-251515-DL	Spare Inserts (15x15x2.5) with Screws (T25) (box of 10)	\$73.00

Quiet Cutting: Looking for a better surfacing head option? Spiral knife insert heads make constant contact with the material offering reduced cutting noise - typically 20 decibels less. Each long wearing carbide knife has four edges that can be dulled before replacement. These heads improve material finishes on cross grain, lower long term tooling cost, and eliminate sharpening costs. Our spiral heads offer special radius edge inserts to reduce any chance of knife corners marking your material. Heads are made from 7071-T6 high strength aircraft aluminum and dynamically balanced to 8,000 rpm. Heads include a set of carbide knives ready to run and a torx wrench for turning and replacing the knives. Heads use 15 x 15 x 2.5 inserts. Head prices include set of knives. Most heads in stock for immediate delivery.



Custom heads also available including hydro bore and self centering spiral heads.



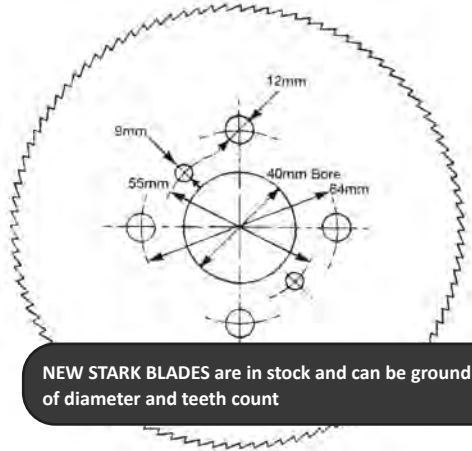
PART	CUT LGTH	ROWS OF KNIVES	BODY DIA	STANDARD BORE	PRICE
MS10042	2" (50mm)	6	100mm	1.25"	\$367.00
MS10044	4" (100mm)	6	100mm	1.25"	\$465.00
MS10046	6" (150mm)	6	100mm	1.25"	\$568.00
MS12562F	2" (50mm)	6	125mm	40mm	\$424.00
MS12564	4" (100mm)	6	125mm	40mm	\$586.00
MS12566	6" (150mm)	6	125mm	40mm	\$732.00
MS12567F	7" (180mm)	6	125mm	40mm	\$854.00
MS12568F	8" (200mm)	6	125mm	40mm	\$956.00
MS12569	9" (230mm)	6	125mm	40mm	\$1,075.00
MS12562F-1.5	2" (50mm)	6	125mm	1.5"	\$424.00
MS12564F-1.5	4" (100mm)	6	125mm	1.5"	\$586.00
MS12566F-1.5	6" (150mm)	6	125mm	1.5"	\$732.00
MS12567F-1.5	7" (180mm)	6	125mm	1.5"	\$854.00
MS12569F-1.5	9" (230mm)	6	125mm	1.5"	\$1,075.00
MS12569.5F-1.5	9.5" (240mm)	6	125mm	1.5"	\$1,088.00
MS14062F	2" (50mm)	6	140mm	1-13/16"	\$443.00
MS14064	4" (100mm)	6	140mm	1-13/16"	\$627.00
MS14066	6" (150mm)	6	140mm	1-13/16"	\$759.00
MS14067	7" (180mm)	6	140mm	1-13/16"	\$917.00
MS14069F	9" (230mm)	6	140mm	1-13/16"	\$1,107.00
MS14069.5	9.5" (240mm)	6	140mm	1-13/16"	\$1,137.00
MS1406310F	12.2" (310mm)	6	140mm	1-13/16"	\$1,513.00

PART	DESCRIPTION	PRICE
IC-2515154-8R	Spare Knives -15 x 15 x 2.5mm - 8 Radius	\$3.60
MS-T20W	T20 Torx Wrench - 8"	\$7.95
MS-KS615	Spare Screws for Titan Spiral Heads M6-15 (Torque 4ft/lbs = 50inch/lbs)	\$0.97
MS-BS-S	Spare Screws for Byrd Journal Heads	\$0.53
MS-NA-S	Spare Screws for Weinig Spiral Heads	\$3.57
MS-KSSM	Spare Screws for Shinmax Spiral Heads	\$1.19



Not shown to scale.

HSS TREATED DM05 SAW BODIES WITH STANDARD PINHOLES



MOST POPULAR PINHOLE PATTERNS

- **32mm BORE PINHOLE PATTERNS ARE 2/8.5/45 2/12/64**
for: Brown, Ibp, Amnada, Kalamazoo, Pedrazolli, Startrite, Scotchman, Brobo, Dake, Wilton
- **32mm BORE PINHOLE PATTERNS ARE 1/8.5/50 1/9/60**
for: Hydromat and Urbama
- **32mm BORE PINHOLE PATTERNS ARE 4/9/50 AND 2/12.5/75**
for: Wagner and Thomas
- **38mm BORE PINHOLE PATTERN IS 2/9/55**
for: BROBO
- **40mm BORE PINHOLE PATTERNS ARE 2/9/55 AND 4/12/64**
for: Brobo, Eisele, Haberle, Doring, Scotchman, Trennjaeger
- **50mm BORE PINHOLE PATTERNS ARE 4/15/80 AND 4/14/85**
for: Katenbach, Kasto and Trennjaeger

Please Note: for ferrous metals, standard industry practice is to provide multiple patterns on a blade to accommodate more than one machine

NEED BLADE SHARPENING SERVICES?

Sharpening Section page 22

DIAMETER	THICKNESS	BORE	TEETH	PRICE
250	2	32	220	\$83.43
250	2	32	200	\$83.43
250	2	32	180	\$83.43
250	2	32	120	\$83.43
275	2.5	40	220	\$103.00
300	2.5	38	380	\$131.94
300	2.5	32	220	\$131.94
300	2.5	32	180	\$131.94
300	2.5	32	150	\$131.94
315	2.5	40	150	\$131.57
315	2.5	40	180	\$131.57
315	2.5	40	150	\$131.57
315	2.5	40	140	\$131.57
315	2.5	32	180	\$131.57
350	3	40	280	\$185.68
350	3	40	220	\$185.68
350	3	40	180	\$185.68
350	3	40	150	\$185.68
350	3	40	120	\$185.68
350	3	32	280	\$185.68
350	3	32	220	\$185.68
350	3	32	180	\$185.68
350	3	32	160	\$185.68
350	3	32	140	\$185.68
350	3	40	120	\$185.68
350	2.5	40	180	\$169.54
350	2.5	40	150	\$169.54
350	2.5	32	320	\$169.54
350	2.5	32	120	\$169.54
400	3.5	50	220	\$288.46
400	3.5	40	90	\$288.46
400	3.5	40	180	\$288.46
450	3	50	250	\$326.00

Above are in-stock blades - **Other sizes allow 1-2 weeks**

Regrinding on page 22

HSS TREATED CIRCULAR SAW BLADES FOR CUTTING NON-FERROUS METALS



Below are in-stock blank saw plates
The number of teeth do not affect the price

2-3 DAYS TO MANUFACTURE

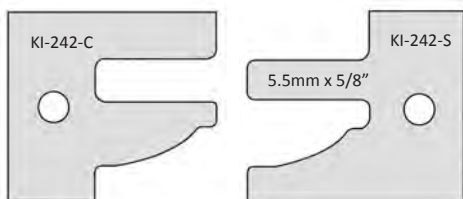
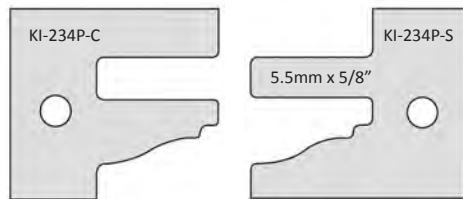
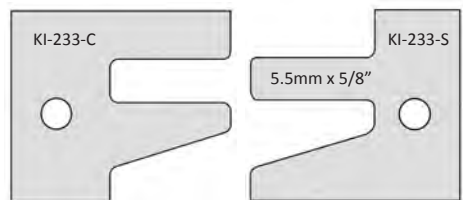
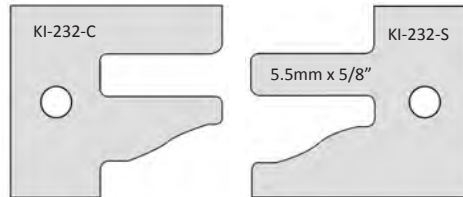
DIAMETER	THICKNESS	BORE	PRICE
10	1/16"	5/8" OR 1"	\$115.00
10	3/32"	5/8" OR 1"	\$115.00
12	1/16"	1"	\$135.00
12	3/32"	1"	\$135.00
14	3/32"	1"	\$155.00

Machines for non-ferrous metals are usually 5/8" or 1" bore without pinholes except for wagner machines which are 32mm bore WITH 4/9/50

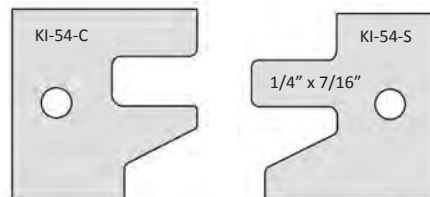
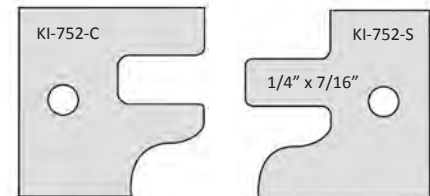
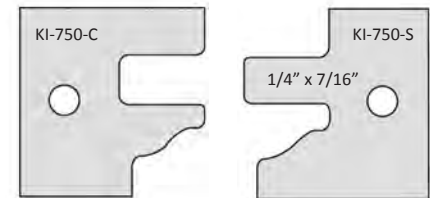
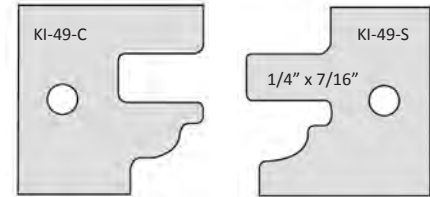
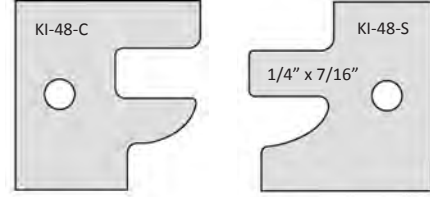
All Tips shown Counterclockwise Face down.

NOTE: Face up available special order.

LRH INSERT TIPS - 3/4" MATERIAL KI-232 TO KI-242		
PART	QUANTITY	PRICE
KI-232 thru KI-242	1 tip	\$43.00



LRH INSERT TIPS - 3/4" MATERIAL KI-48 TO KI-54		
PART	QUANTITY	PRICE
KI-48 thru KI-54	1 tip	\$38.00



Don't see what you need?

If you are looking for replacement insert tips for a cutter head manufactured by companies no longer in business, we can help! We stock most standard size insert tips for immediate shipping.

We offer insert tips for:

- Delta
- Forrest City
- Systimatic
- LRH
- DeHart
- Reliable Cutting Tools

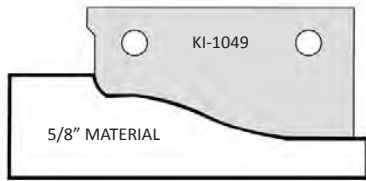
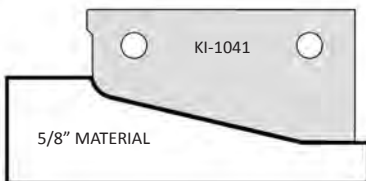
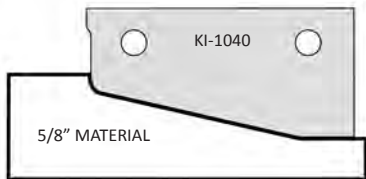
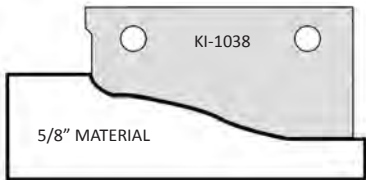
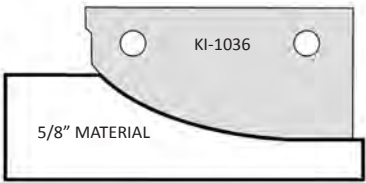
Please note: some replacements will require a sample insert we can duplicate. Contact us at 800-288-7483 or sales@ballewsaw.com for more information.

LRH INSERTS

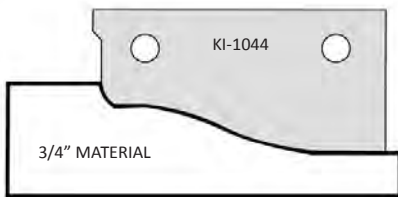
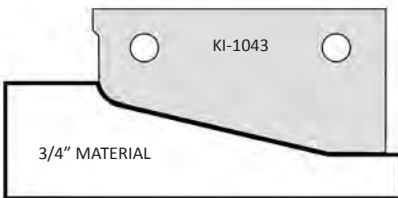
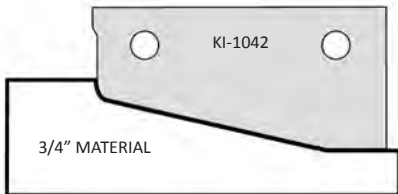
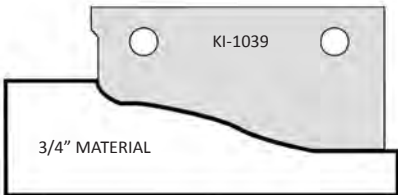
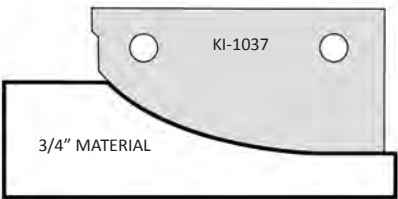
RAISED PANEL & BACK CUTTER

All Tips shown Counterclockwise Face up.
NOTE: Face down available special order.

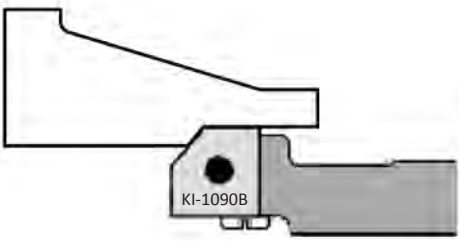
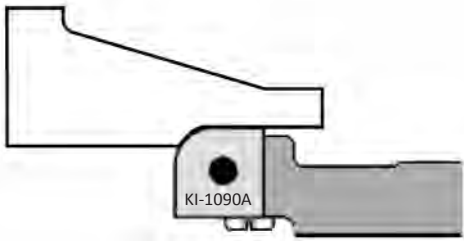
LRH INSERT TIPS - 5/8" MATERIAL KI-1036 TO KI-1049		
PART	QUANTITY	PRICE
KI-1036 thru KI-1049	1 tip	\$39.00



LRH INSERT TIPS - 3/4" MATERIAL KI-1037 TO KI-1044		
PART	QUANTITY	PRICE
KI-1037 thru KI-1044	1 tip	\$39.00



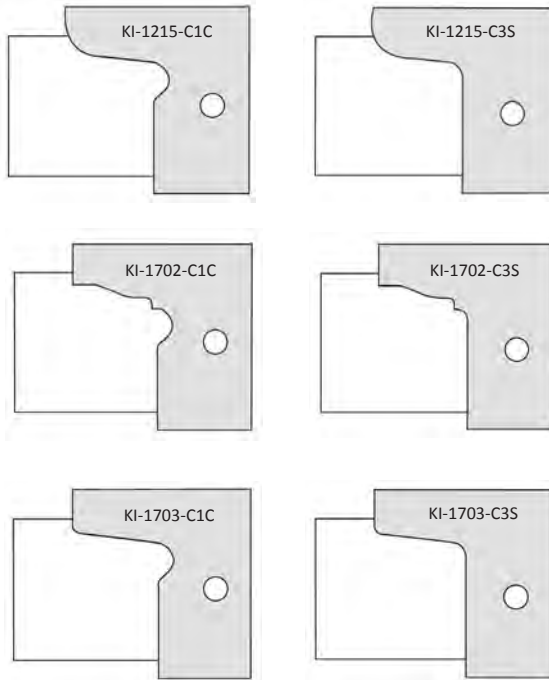
LRH INSERT TIPS - FOR BACK CUTTER KI-1090A OR KI-1090B		
PART	QUANTITY	PRICE
KI-1090A or KI-1090B	1 tip	\$29.00



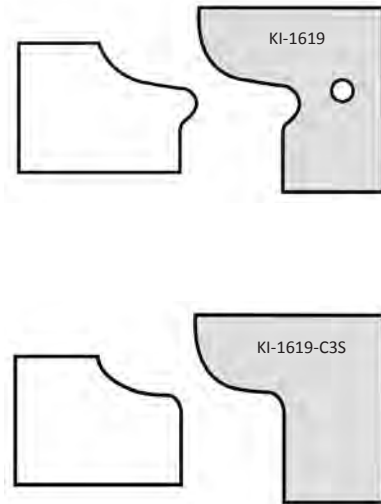
KI-1215 to KI-1703 tips shown Counterclockwise Face up.

NOTE: Face down available special order.

LRH INSERT TIPS - 3/4" MATERIAL KI-1215 TO KI-1703		
PART	QUANTITY	PRICE
KI-1215 thru KI-1703	1 tip	\$38.00

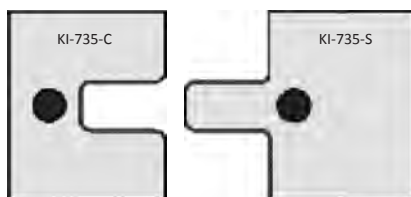
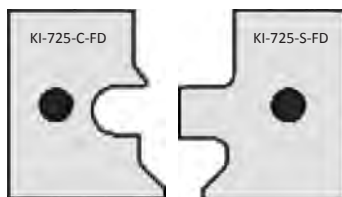


LRH INSERT TIPS - 3/4" MATERIAL KI-1619		
PART	QUANTITY	PRICE
KI-1619 or KI-1619-C3S	1 tip	\$38.00

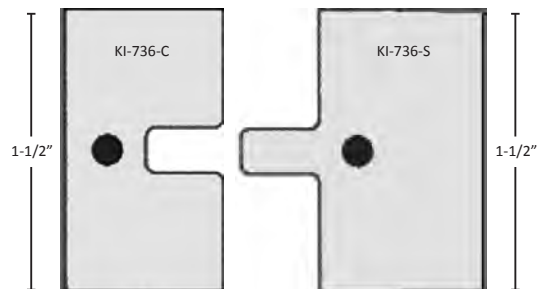


KI-725 to KI-736 tips shown Counterclockwise Face down.

NOTE: Face up available special order.



LRH INSERT TIPS KI-725 TO KI-736		
PART	QUANTITY	PRICE
KI-725 or KI-735	1 tip	\$38.00
KI-736	1 tip	\$38.00



Magic Molder

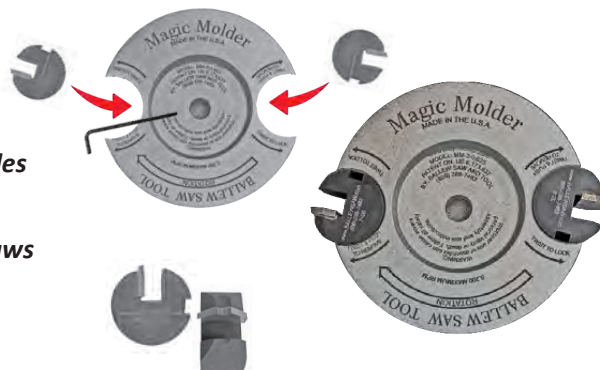
Custom Molding Tooling System

- **Change your cut pattern with 89 swappable plug profiles**
- **Safe, anti-kickback design rated up to 5,000 RPM**
- **Included spacer works on right- and left-tilting table saws**

The Magic Molder tooling system easily creates beautiful custom molding from natural woods and composite materials using your table saw or shaper table!

89 swappable profile patterns to choose from - including V-bead, Ogee, Chamfer, Bullnose, Flute, and more! Simply insert the profile pattern plugs of your choice into the unique 2-wing head, and tighten with included wrench.

Table Saw and Shaper Table cutter heads accommodate all profile plugs. Heads, plug sets, and fence sold separately.



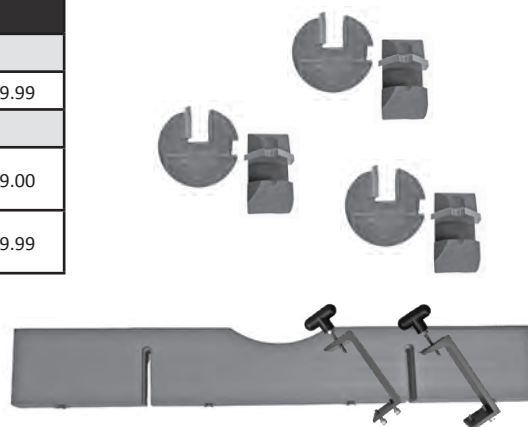
MAGIC MOLDER CUTTER HEADS		
TABLE SAW 2-WING ALUMINUM HEAD		
MM-58	5/8" bore with wrench and spacer	\$199.99
MM-34	3/4" bore with wrench and spacer	\$199.99
MM-11	1" bore with wrench and spacer	\$199.99
SHAPER 2-WING STEEL HEAD		
MM-SH	1-1/4" bore	\$249.00

NOTE: Magic Molder Table Saw Heads can not be used on SAWSTOP table saws.



MAGIC MOLDER SWAPPABLE PROFILE PLUG SETS		
PROFILE PLUGS		
P1 thru P80	2 plugs per set - steel body & carbide tips	\$169.99
CUSTOM ORDER PROFILE PLUGS		
MM-CP	2 plugs per set - steel body & carbide tips Up to 1" wide with 1/2" depth of cut	\$259.00
MM-CPXW	2 EXTRA WIDE plugs per set - steel body & carbide tips Up to 1-1/2" wide with 1/2" depth of cut	\$299.99

MAGIC MOLDER ACCESSORIES		
FENCE		
MM-FN	Aluminum body with 2 clamps	\$99.99



CUSTOM ORDER MAGIC MOLDER PLUG SETS

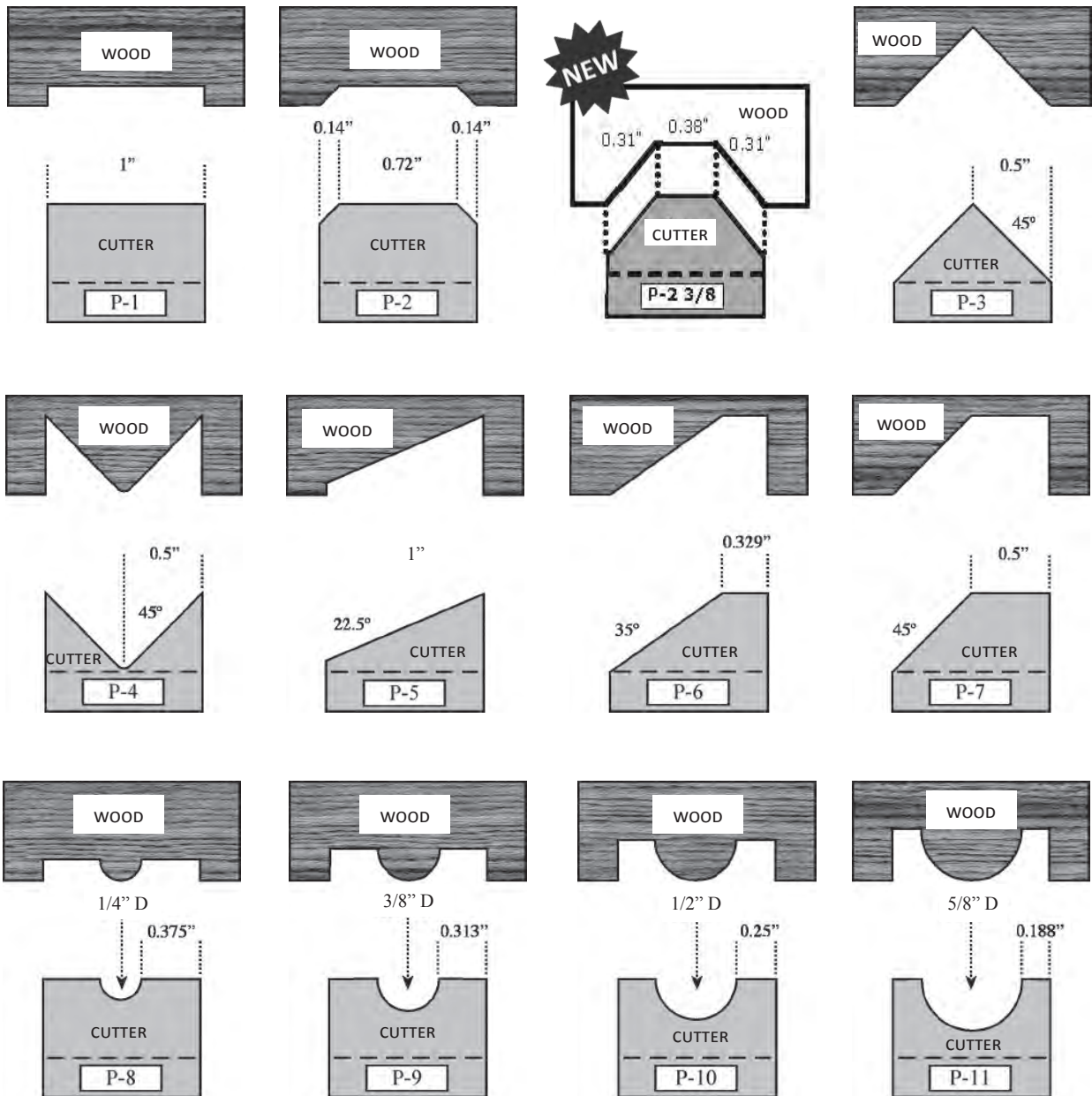
- Custom plugs available in widths up to 1-1/2" maximum
- Custom plugs have clearance to cut 1/2" deep
- Custom plugs require 2-4 weeks to manufacture after final approval drawing

sales@ballewsaw.com 800-288-7483



- Magic Molder Profile Plugs are steel bodied with carbide tips and SWAPPABLE with the Magic Molder Table Saw Heads and the Magic Molder Shaper Heads. Choose from 89 stock profile patterns, or contact us for your custom order profile plugs!
- Magic Molder Table Saw Heads are aluminum and designed for use on 7-1/2", 8", 9", 10" and 12" factory made radial arm and table saws with 5/8", 3/4" or 1" arbors. Includes wrench and spacer.
NOTE: Magic Molder Table Saw heads CAN NOT be used on Sawstop table saws.
- Magic Molder Shaper Heads are steel and designed for use on a shaper with a 1-1/4" arbor with tip diameter of 5-5/8" and can be bushed down to 3/4" or 1".

R = RADIUS D = DIAMETER DIMENSIONS ON DRAWINGS



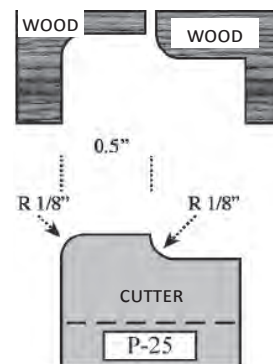
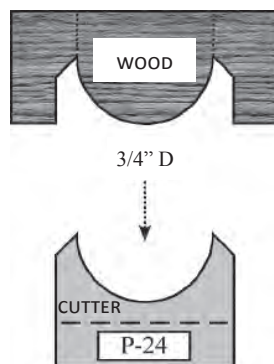
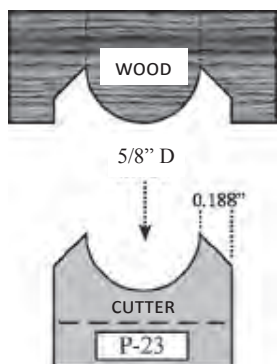
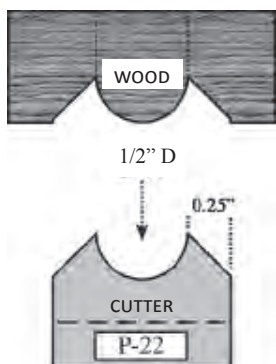
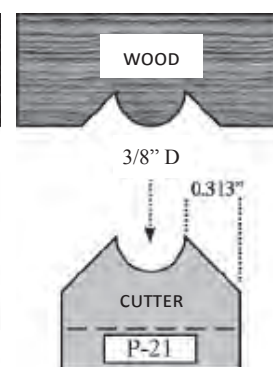
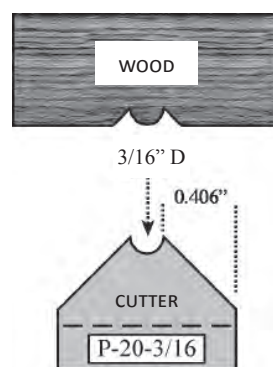
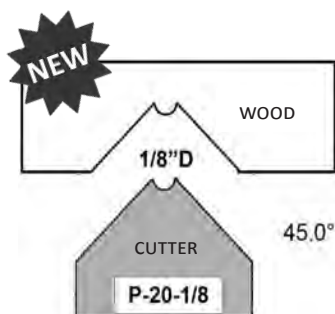
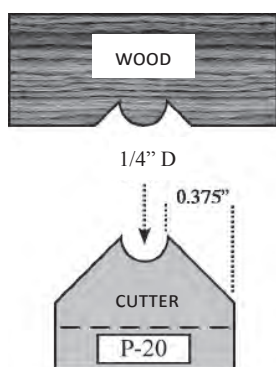
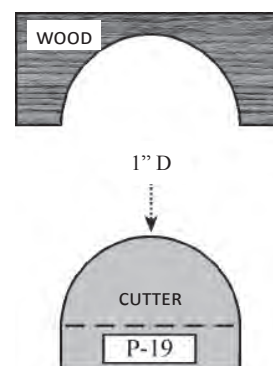
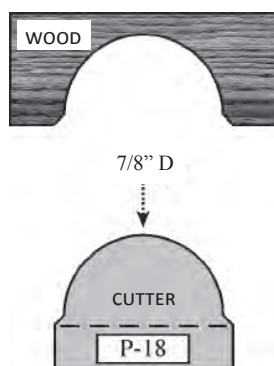
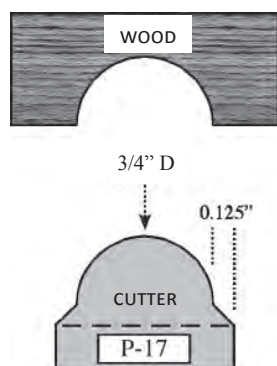
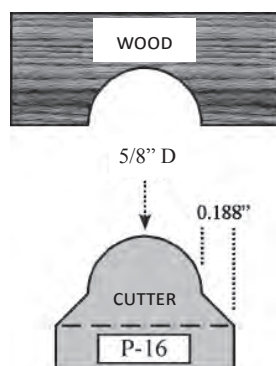
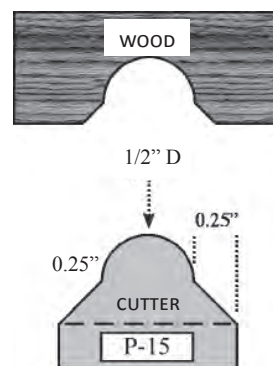
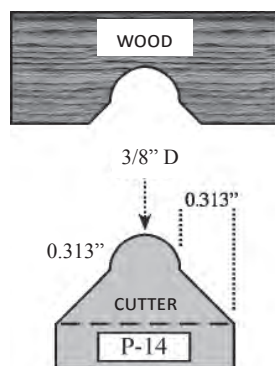
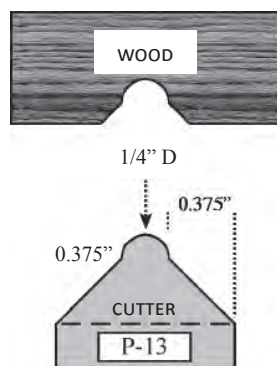
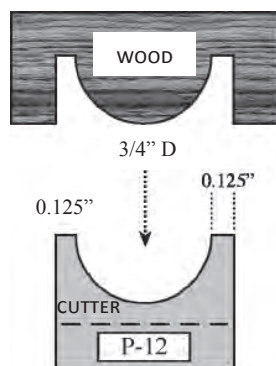
CUSTOM ORDER MAGIC MOLDER PLUG SETS

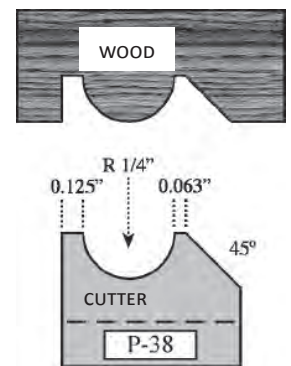
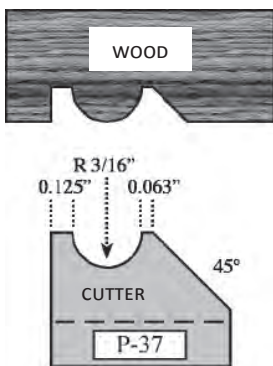
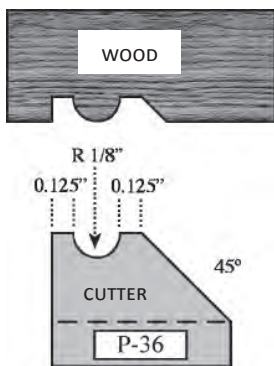
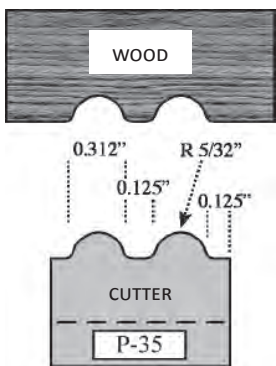
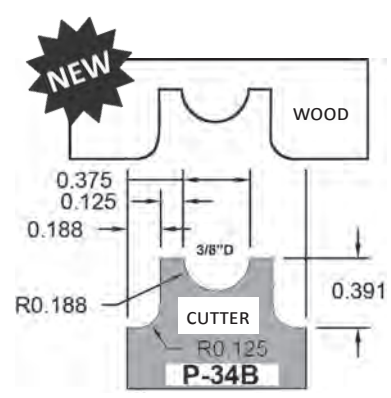
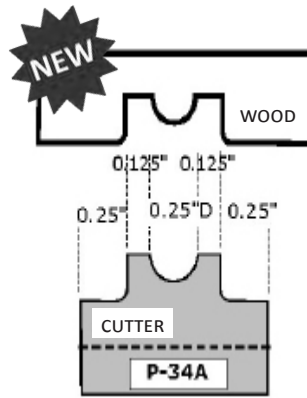
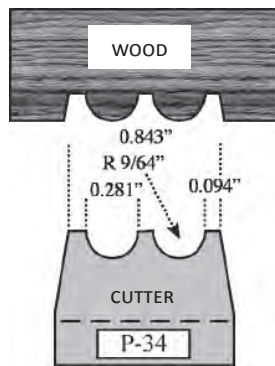
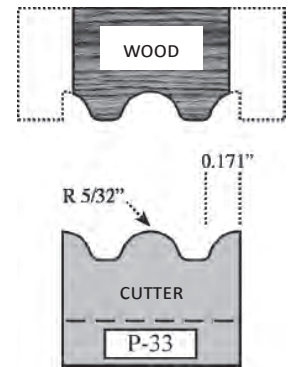
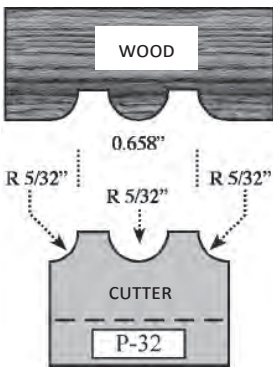
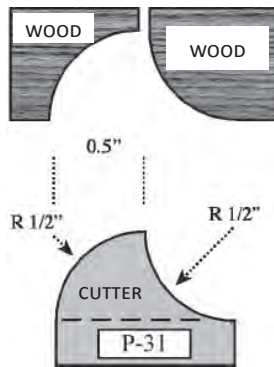
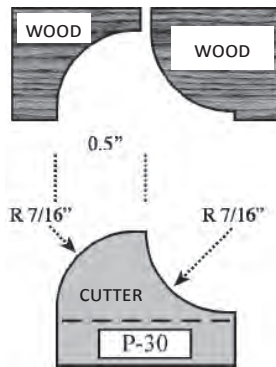
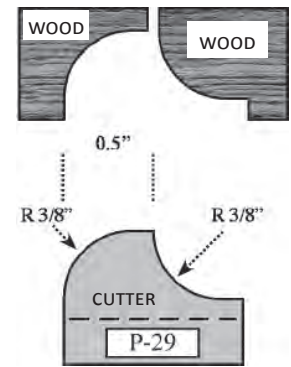
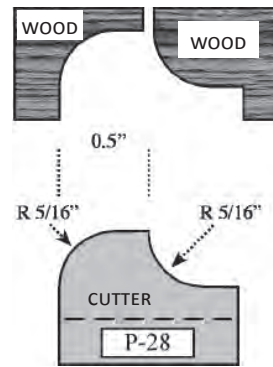
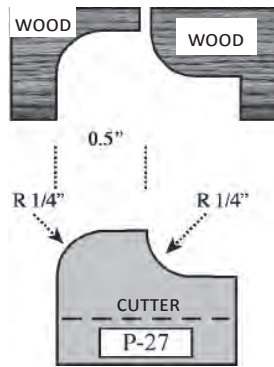
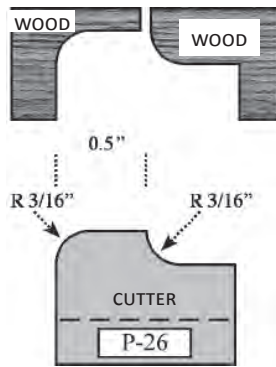
- Custom plugs available in widths up to 1-1/2" maximum
- Custom plugs have clearance to cut 1/2" deep
- Custom plugs require 2-4 weeks to manufacture after final approval drawing

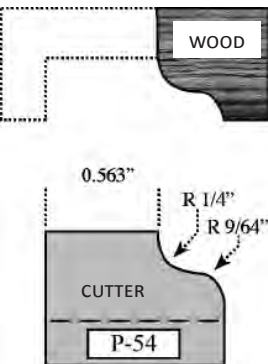
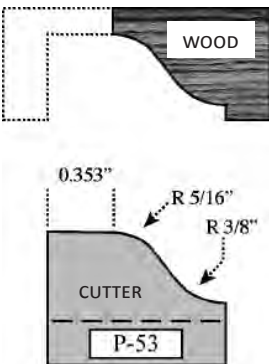
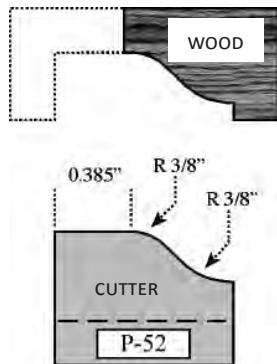
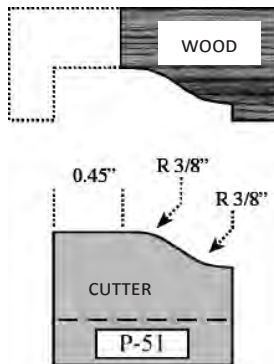
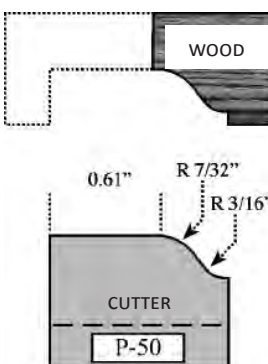
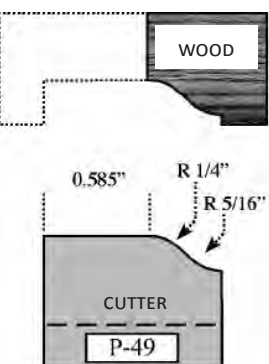
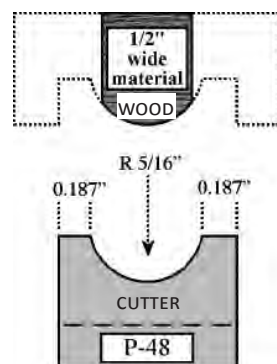
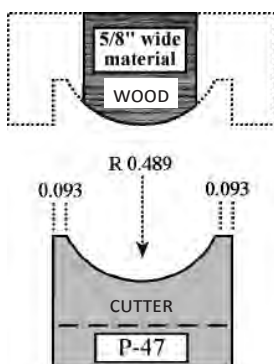
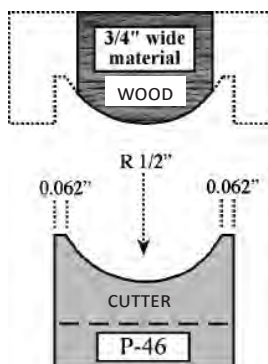
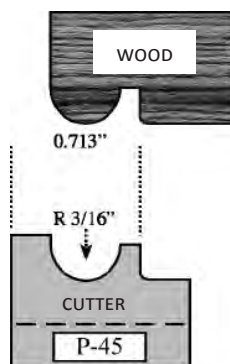
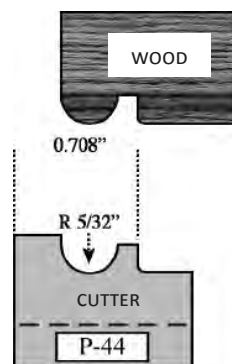
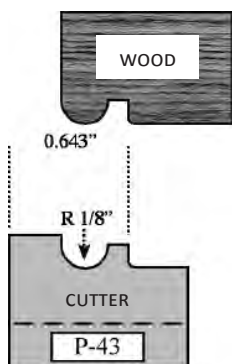
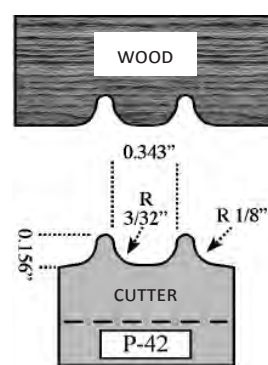
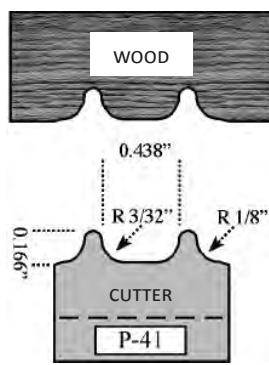
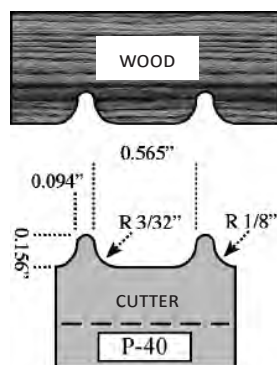
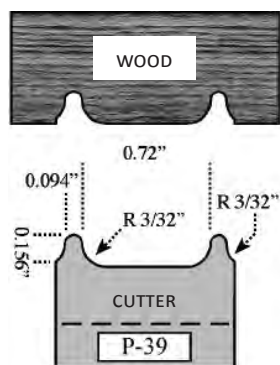
sales@ballewsaw.com 800-288-7483

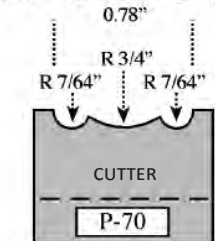
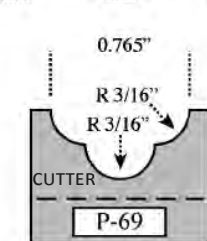
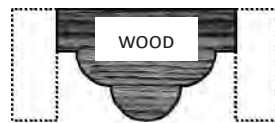
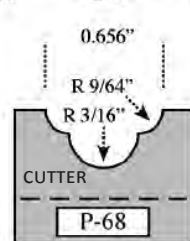
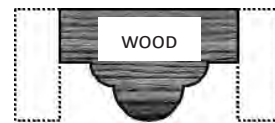
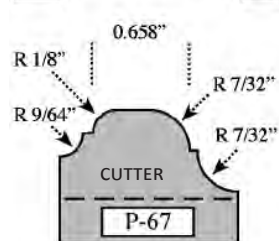
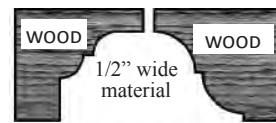
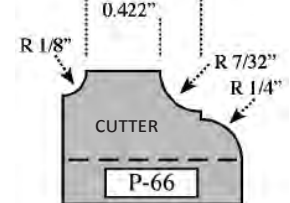
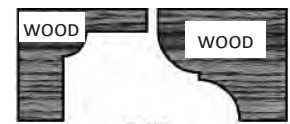
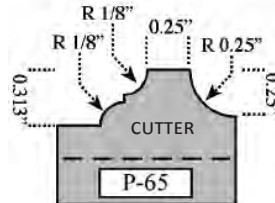
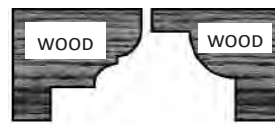
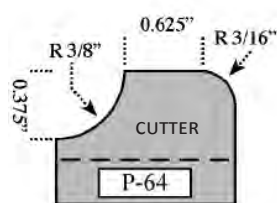
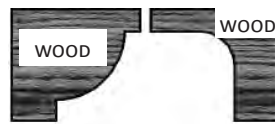
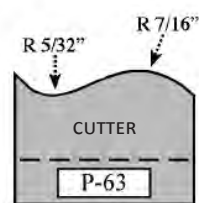
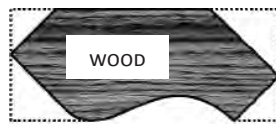
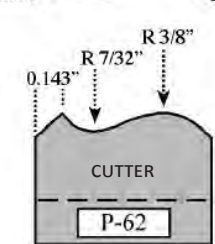
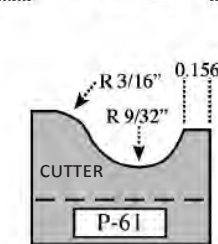
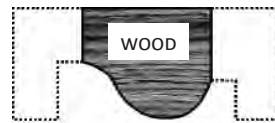
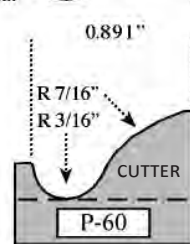
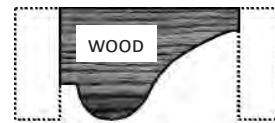
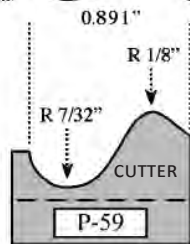
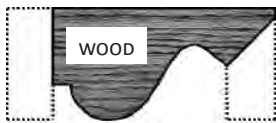
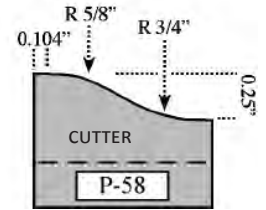
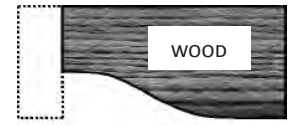
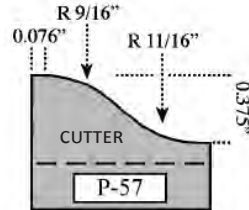
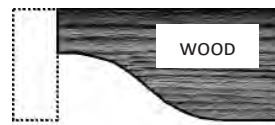
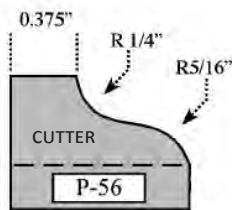
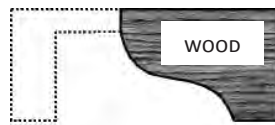
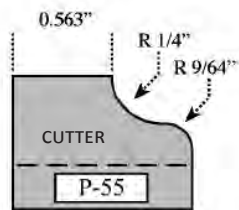
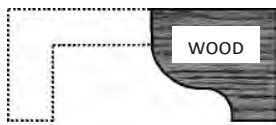


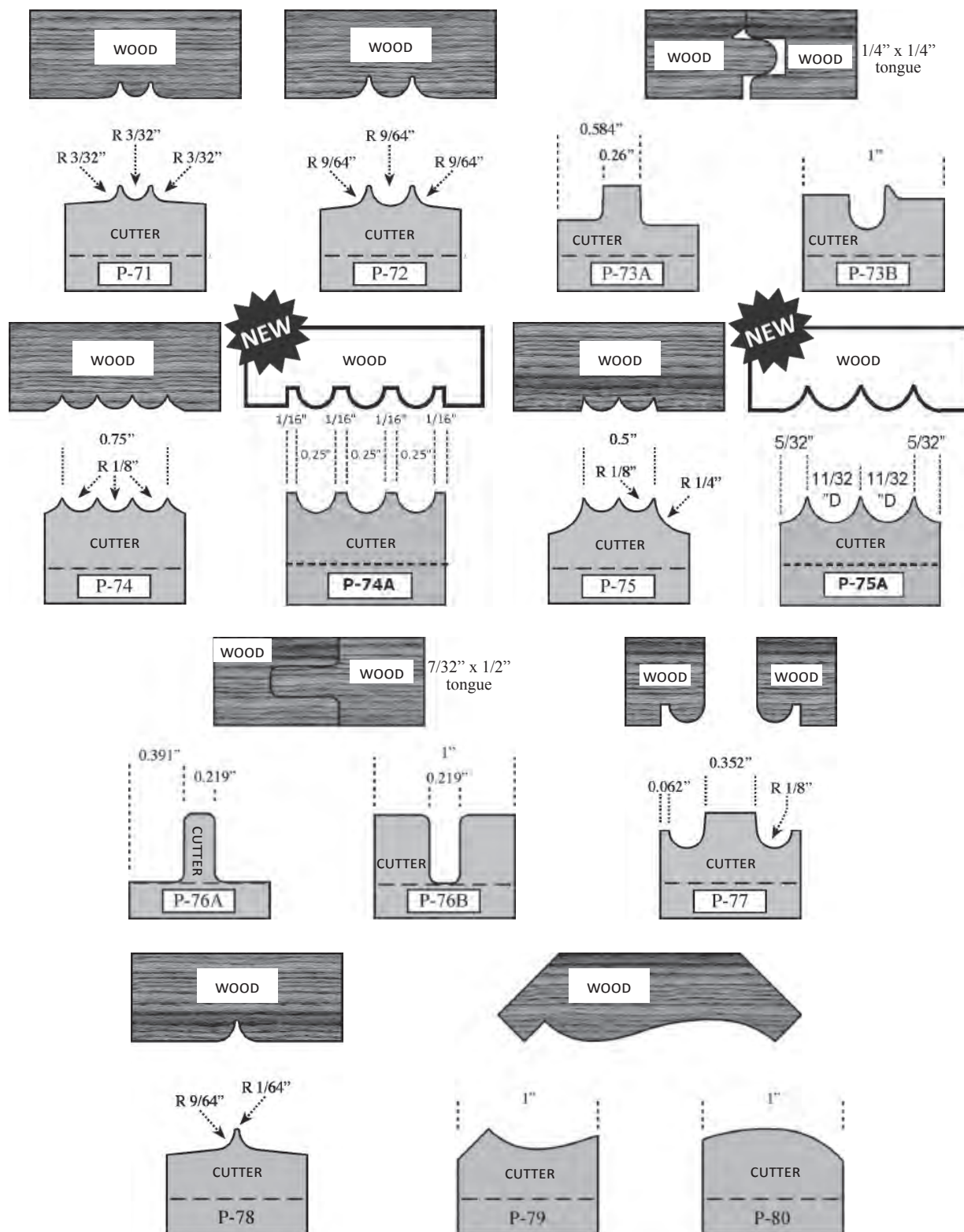
You Tube *Magic Molder in action!* youtube.com/watch?v=tCQ6FkWJBMl











You Tube Magic Molder in action! youtube.com/watch?v=tCQ6FkWJBMi

GOLD PSA (ADHESIVE-BACKED) DISCS 5" NO HOLE - USES BACKUP PAD 105				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-332-036	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P36	50	\$43.04
23-332-040	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P40	50	\$39.70
23-332-060	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P60	50	\$21.78
23-332-080	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P80	100	\$35.14
23-332-100	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P100	100	\$30.90
23-332-120	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P120	100	\$30.90
23-332-150	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P150	100	\$30.90
23-332-180	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P180	100	\$30.90
23-332-220	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P220	100	\$30.90
23-332-240	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P240	100	\$30.90
23-332-320	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P320	100	\$30.90
23-332-400	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P400	100	\$30.90
23-332-500	GOLD PSA (ADHESIVE) DISCS 5" NO HOLE	P500	100	\$30.90
COMPARE to SUNMIGHT SERIES 021XX page 202				

GOLD GRIP DISCS 5" NO HOLE - USES BACKUP PAD 105GG				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-612-036	GOLD GRIP (VELCRO) HEAVY DUTY DISCS 5" NO HOLE	P36	50	\$43.85
23-612-040	GOLD GRIP (VELCRO) HEAVY DUTY DISCS 5" NO HOLE	P40	50	\$41.26
23-612-060	GOLD GRIP (VELCRO) DISCS 5" NO HOLE	P60	50	\$23.63
23-612-080	GOLD GRIP (VELCRO) DISCS 5" NO HOLE	P80	50	\$23.63
23-612-100	GOLD GRIP (VELCRO) DISCS 5" NO HOLE	P100	50	\$21.61
23-612-120	GOLD GRIP (VELCRO) DISCS 5" NO HOLE	P120	50	\$21.61
23-612-150	GOLD GRIP (VELCRO) DISCS 5" NO HOLE	P150	50	\$21.61
23-612-180	GOLD GRIP (VELCRO) DISCS 5" NO HOLE	P180	50	\$21.61
23-612-220	GOLD GRIP (VELCRO) DISCS 5" NO HOLE	P220	50	\$21.61
23-612-240	GOLD GRIP (VELCRO) DISCS 5" NO HOLE	P240	50	\$21.61
23-612-320	GOLD GRIP (VELCRO) DISCS 5" NO HOLE	P320	50	\$21.61
23-612-400	GOLD GRIP (VELCRO) DISCS 5" NO HOLE	P400	50	\$21.61
COMPARE to SUNMIGHT SERIES 022XX page 202				

GOLD PSA (ADHESIVE-BACKED) LINKROLL DISCS 5" NO HOLE - USES BACKUP PAD 105				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-314-080	GOLD PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	P80	100	\$35.71
23-314-100	GOLD PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	P100	100	\$31.39
23-314-120	GOLD PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	P120	100	\$31.39
23-314-150	GOLD PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	P150	100	\$31.39
23-314-180	GOLD PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	P180	100	\$31.39
23-314-220	GOLD PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	P220	100	\$31.39
23-314-320	GOLD PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	P320	100	\$31.39
23-314-400	GOLD PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	P400	100	\$31.39

HIOLIT XO HEAVY DUTY PSA (ADHESIVE-BACKED) CLOTH DISCS 5" NO HOLE				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
51-332-060	(D) HEAVY DUTY PSA (ADHESIVE) CLOTH DISCS 5"	P60	50	\$48.44
51-332-080	HEAVY DUTY PSA (ADHESIVE) CLOTH DISCS 5"	P80	50	\$48.44
51-332-100	(D) HEAVY DUTY PSA (ADHESIVE) CLOTH DISCS 5"	P100	50	\$47.16

BASECUT PSA (ADHESIVE-BACKED) LINKROLL DISCS 5" NO HOLE (OLD 22-314 SERIES)				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
20-314-080	BASECUT PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	80	100	\$26.51
20-314-100	BASECUT PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	100	100	\$21.90
20-314-120	BASECUT PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	120	100	\$21.90
20-314-150	BASECUT PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	150	100	\$21.90
20-314-180	BASECUT PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	180	100	\$21.90
20-314-220	BASECUT PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	220	100	\$21.90
20-314-320	BASECUT PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	320	100	\$21.90
20-314-400	BASECUT PSA (ADHESIVE) LINKROLL DISCS 5" NO HOLE	400	100	\$21.90

GOLD PSA (ADHESIVE-BACKED) VACUUM LINKROLL DISCS 5" 5 HOLE - USES BACKUP PAD 105V				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-315-080	(D) GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 5"	P80	100	\$37.85
23-315-100	GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 5"	P100	100	\$30.90
23-315-120	GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 5"	P120	100	\$30.90
23-315-150	GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 5"	P150	100	\$30.90
23-315-180	(D) GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 5"	P180	100	\$30.90
23-315-220	(D) GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 5"	P220	100	\$30.90

GOLD GRIP VACUUM DISCS 5" 5 HOLE (DISCONTINUED)				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-614-060	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	60	50	\$29.30
23-614-080	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	80	50	\$29.30
23-614-100	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	100	50	\$23.85
23-614-120	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	120	50	\$23.85
23-614-150	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	150	50	\$23.85
23-614-180	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	180	50	\$23.85
23-614-220	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	220	50	\$23.85
23-614-240	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	240	50	\$23.85
23-614-280	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	280	50	\$23.85
23-614-320	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	320	50	\$23.85
23-614-400	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	400	50	\$23.85
23-614-600	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	600	50	\$23.85
23-614-800	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 5 HOLE	800	50	\$23.85
23-614-AP	(D) PACK OF 10 EA: 80G 100G 120G 180G 220G	ASST	50	\$22.89
COMPARE to SUNMIGHT SERIES 522XX page 202				

NOTE: (D) INDICATES DISCONTINUED/OBSOLETE ITEM WITH LIMITED STOCK

GOLD PSA (ADHESIVE-BACKED) VACUUM DISCS 5" 8 HOLE				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-320-080	GOLD PSA (ADHESIVE) VACUUM DISCS 5" 8 HOLE	P80	100	\$35.14
23-320-100	GOLD PSA (ADHESIVE) VACUUM DISCS 5" 8 HOLE	P100	100	\$30.90
23-320-120	GOLD PSA (ADHESIVE) VACUUM DISCS 5" 8 HOLE	P120	100	\$30.90
23-320-150	GOLD PSA (ADHESIVE) VACUUM DISCS 5" 8 HOLE	P150	100	\$30.90
23-320-180	GOLD PSA (ADHESIVE) VACUUM DISCS 5" 8 HOLE	P180	100	\$30.90
23-320-220	GOLD PSA (ADHESIVE) VACUUM DISCS 5" 8 HOLE	P220	100	\$30.90

GOLD GRIP VACUUM DISCS 5" 8 HOLE (DISCONTINUED)				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-615-060	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 8 HOLE	60	50	\$29.30
23-615-080	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 8 HOLE	80	50	\$29.30
23-615-100	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 8 HOLE	100	50	\$23.85
23-615-120	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 8 HOLE	120	50	\$23.85
23-615-150	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 8 HOLE	150	50	\$23.85
23-615-180	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 8 HOLE	180	50	\$23.85
23-615-220	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 8 HOLE	220	50	\$23.85
23-615-240	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 8 HOLE	240	50	\$23.85
23-615-320	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 8 HOLE	320	50	\$23.85
23-615-400	(D) GOLD GRIP (VELCRO) VACUUM DISCS 5" 8 HOLE	400	50	\$23.85
23-615-AP	(D) PACK OF 10 EA: 80G 100G 120G 180G 220G	ASST	50	\$22.89
COMPARE to SUNMIGHT SERIES 581XX page 203				

GOLD GRIP (VELCRO) DISCS 6" NO HOLE				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-622-036	GOLD HEAVY DUTY GRIP (VELCRO) DISCS 6" NO HOLE	P36	50	\$64.37
23-622-800	GOLD GRIP (VELCRO) DISCS 6" NO HOLE	P800	50	\$28.81

GOLD PSA (ADHESIVE-BACKED) HEAVY DUTY DISCS 6" NO HOLE				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-341-036	GOLD HEAVY DUTY PSA (ADHESIVE) DISCS 6" NO HOLE	P36	50	\$59.73
23-341-060	GOLD HEAVY DUTY PSA (ADHESIVE) DISCS 6" NO HOLE	P60	50	\$29.38
COMPARE to SUNMIGHT SERIES 023XX/027XX page 203				

GOLD PSA (ADHESIVE-BACKED) LINKROLL DISCS 6" NO HOLE - USES BACKUP PAD 106				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-342-080	GOLD PSA (ADHESIVE) LINKROLL DISCS 6"	P80	100	\$48.18
23-342-100	GOLD PSA (ADHESIVE) LINKROLL DISCS 6"	P100	100	\$43.04
23-342-120	GOLD PSA (ADHESIVE) LINKROLL DISCS 6"	P120	100	\$43.04
23-342-150	GOLD PSA (ADHESIVE) LINKROLL DISCS 6"	P150	100	\$43.04
23-342-180	GOLD PSA (ADHESIVE) LINKROLL DISCS 6"	P180	100	\$43.04
23-342-220	GOLD PSA (ADHESIVE) LINKROLL DISCS 6"	P220	100	\$43.04
23-342-240	GOLD PSA (ADHESIVE) LINKROLL DISCS 6"	P240	100	\$43.04
23-342-280	GOLD PSA (ADHESIVE) LINKROLL DISCS 6"	P280	100	\$43.04
23-342-320	GOLD PSA (ADHESIVE) LINKROLL DISCS 6"	P320	100	\$43.04
23-342-400	GOLD PSA (ADHESIVE) LINKROLL DISCS 6"	P400	100	\$43.04
COMPARE to SUNMIGHT SERIES 027XX page 203				

GOLD PSA (ADHESIVE-BACKED) AUTOBOX DISCS 6" NO HOLE				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-379-080	GOLD PSA (ADHESIVE) AUTOBOX DISCS 6"	P80	100	\$48.18
23-379-100	GOLD PSA (ADHESIVE) AUTOBOX DISCS 6"	P100	100	\$43.04
23-379-120	GOLD PSA (ADHESIVE) AUTOBOX DISCS 6"	P120	100	\$43.04
23-379-150	GOLD PSA (ADHESIVE) AUTOBOX DISCS 6"	P150	100	\$43.04

GOLD GRIP (VELCRO) VACUUM DISCS 6" 6 HOLE (DISCONTINUED - LIMITED STOCK)				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-624-060	GOLD GRIP (VELCRO) VACUUM DISCS 6" 6 HOLE	60	50	\$36.10
23-624-080	GOLD GRIP (VELCRO) VACUUM DISCS 6" 6 HOLE	80	50	\$36.10
23-624-100	GOLD GRIP (VELCRO) VACUUM DISCS 6" 6 HOLE	100	50	\$32.25
23-624-120	GOLD GRIP (VELCRO) VACUUM DISCS 6" 6 HOLE	120	50	\$32.25
23-624-150	GOLD GRIP (VELCRO) VACUUM DISCS 6" 6 HOLE	150	50	\$32.25
23-624-180	GOLD GRIP (VELCRO) VACUUM DISCS 6" 6 HOLE	180	50	\$32.25
23-624-220	GOLD GRIP (VELCRO) VACUUM DISCS 6" 6 HOLE	220	50	\$32.25
23-624-320	GOLD GRIP (VELCRO) VACUUM DISCS 6" 6 HOLE	320	50	\$32.25
23-624-400	GOLD GRIP (VELCRO) VACUUM DISCS 6" 6 HOLE	400	50	\$32.25
23-624-500	GOLD GRIP (VELCRO) VACUUM DISCS 6" 6 HOLE	500	50	\$32.25
COMPARE to SUNMIGHT SERIES 028XX page 203				

GOLD PSA (ADHESIVE-BACKED) VACUUM LINKROLL DISCS 6" 6 HOLE - USES BACKUP PAD 106V				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-343-080	GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 6"	P80	100	\$48.18
23-343-100	GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 6"	P100	100	\$43.04
23-343-150	GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 6"	P150	100	\$43.04
23-343-180	GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 6"	P180	100	\$43.04
23-343-220	GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 6"	P220	100	\$43.04
23-343-320	GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 6"	P320	100	\$43.04
23-343-400	GOLD PSA (ADHESIVE) VACUUM LINKROLL DISCS 6"	P400	100	\$43.04

GOLD GRIP (VELCRO) DISCS 6" 8 HOLE				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-625-080	(D) GOLD GRIP (VELCRO) DISCS 6"	80	50	\$36.10
23-625-100	(D) GOLD GRIP (VELCRO) DISCS 6"	100	50	\$32.25
23-625-120	(D) GOLD GRIP (VELCRO) DISCS 6"	120	50	\$32.25
23-625-150	(D) GOLD GRIP (VELCRO) DISCS 6"	150	50	\$32.25
23-625-180	(D) GOLD GRIP (VELCRO) DISCS 6"	180	50	\$32.25

GOLD GRIP (VELCRO) VACUUM DISCS 6" 15 HOLE (DISCONTINUED - LIMITED STOCK)				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-611-060	(D) GOLD GRIP (VELCRO) VACUUM DISCS 6"	60	50	\$32.25
23-611-080	(D) GOLD GRIP (VELCRO) VACUUM DISCS 6"	80	50	\$30.25
23-611-100	(D) GOLD GRIP (VELCRO) VACUUM DISCS 6"	100	50	\$30.25
23-611-180	(D) GOLD GRIP (VELCRO) VACUUM DISCS 6"	180	50	\$30.25
23-611-220	(D) GOLD GRIP (VELCRO) VACUUM DISCS 6"	220	50	\$30.25

NOTE: (D) INDICATES DISCONTINUED/OBSOLETE ITEM WITH LIMITED STOCK

GOLD PSA (ADHESIVE-BACKED) DISCS 8" NO HOLE				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-352-036	PSA (ADHESIVE) HEAVY DUTY DISCS 8"	36	50	\$67.02
23-352-080	PSA (ADHESIVE) HEAVY DUTY DISCS 8"	80	50	\$48.81
23-352-120	PSA (ADHESIVE) DISCS 8"	120	50	\$37.26

3-1/2" BACKUP PADS				
PART	DESCRIPTION	HOLES	QUANTITY	PRICE
103GG	GRIP (VELCRO) FACED 3-1/2" X 5/16" X 24	0	1	\$28.28

5" BACKUP PADS NO HOLE				
PART	DESCRIPTION	HOLES	QUANTITY	PRICE
105	VINYL FACED PSA (ADHESIVE) MEDIUM 5" X 5/16" X 24	0	1	\$26.13
105G	GRIP (VELCRO) MEDIUM 5" X 5/16"	0	1	\$28.07
105GG	GRIP (VELCRO) PALM HOOK MEDIUM 5" X 5/16" X 24	0	1	\$28.07
105H	PSA (ADHESIVE) MEDIUM HARDENED SHANK 5" X 5/16" X 24	0	1	\$30.34
105HD	PSA (ADHESIVE) HEAVY DUTY 5" X 5/16"	0	1	\$30.34
105S	VINYL FACED PSA (ADHESIVE) SOFT 5" X 5/16" X 24	0	1	\$29.37
105SG	GRIP (VELCRO) SOFT FACED 5" X 5/16" X 24	0	1	\$30.34
1105	(D) PSA (ADHESIVE) TO GRIP (VELCRO) CONVERSION PAD 5"	0	1	\$4.25

5" BACKUP PADS 5 HOLE				
PART	DESCRIPTION	HOLES	QUANTITY	PRICE
105GV	GRIP (VELCRO) FACED VACUUM 5" X 5/16" X 24	5	1	\$31.33
105SGV	GRIP (VELCRO) SOFT FACED VACUUM 5" X 5/16" X 24	5	1	\$32.62
105SV	GRIP (VELCRO) SOFT FACED VACUUM 5" X 5/16" X 24	5	1	\$24.85
105V	VINYL FACED PSA (ADHESIVE) VACUUM 5" X 5/16" X 24	5	1	\$27.75

6" BACKUP PADS NO HOLE				
PART	DESCRIPTION	HOLES	QUANTITY	PRICE
106	VINYL FACED PSA (ADHESIVE) MEDIUM 6" X 5/16" X 24	0	1	\$26.76
106GG	GRIP (VELCRO) FACED MEDIUM 6" X 5/16" X 24	0	1	\$29.37
106S	PSA (ADHESIVE) SOFT 6" X 5/16" X 24	0	1	\$31.64
106SG	GRIP (VELCRO) SOFT FACED 6" X 5/16" X 24	0	1	\$31.64

6" BACKUP PADS 6 HOLE				
PART	DESCRIPTION	HOLES	QUANTITY	PRICE
106GV	GRIP (VELCRO) FACED MEDIUM VACUUM 6" X 5/16" X 24	6	1	\$33.58
106SS	GRIP (VELCRO) SOFT FACED 6" X 5/16" X 24	6	1	\$28.07
106V	PSA (ADHESIVE) VINYL FACED 6" X 5/16" X 24	6	1	\$28.07

DOUBLE SIDED ABRASIVE SPONGES 4-3/4" X 3-3/4" X 1/2"				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
1350-100	(D) DOUBLE SIDED SPONGE 4-3/4" X 3-3/4" X 1/2"	100	10	\$17.04
1350-150	(D) DOUBLE SIDED SPONGE 4-3/4" X 3-3/4" X 1/2"	150	10	\$17.04
1351-100	DOUBLE SIDED SPONGE 4-3/4" X 3-3/4" X 1/2"	100	10	\$17.04
1351-150	DOUBLE SIDED SPONGE 4-3/4" X 3-3/4" X 1/2"	150	10	\$17.04
1351-180	DOUBLE SIDED SPONGE 4-3/4" X 3-3/4" X 1/2"	180	10	\$17.04
1351-220	DOUBLE SIDED SPONGE 4-3/4" X 3-3/4" X 1/2"	220	10	\$17.04

SINGLE SIDED ABRASIVE SPONGES 4-1/2" X 5-1/2" X 1/4"				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
1355-150	SINGLE SIDED SPONGE 4-1/2" X 5-1/2" X 1/4"	150	20	\$25.15
1355-220	SINGLE SIDED SPONGE 4-1/2" X 5-1/2" X 1/4"	220	20	\$25.15

FOUR SIDED ABRASIVE SPONGES 4" X 2-3/4" X 1"				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
1353-060	(D) FOUR SIDED SPONGE 4" X 2-3/4" X 1"	60	10	\$17.35
1353-100	FOUR SIDED SPONGE 4" X 2-3/4" X 1"	100	10	\$17.35
1353-150	FOUR SIDED SPONGE 4" X 2-3/4" X 1"	150	10	\$17.35
1353-220	FOUR SIDED SPONGE 4" X 2-3/4" X 1"	220	10	\$17.35

GOLDFLEX SOFT ABRASIVE PADS 4-1/2" X 5"				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-145-150	SOFT ABRASIVE PADS 4-1/2" X 5"	150	200	\$67.01
23-145-180	SOFT ABRASIVE PADS 4-1/2" X 5"	180	200	\$67.01
23-145-240	SOFT ABRASIVE PADS 4-1/2" X 5"	240	200	\$67.01
23-145-320	SOFT ABRASIVE PADS 4-1/2" X 5"	320	200	\$67.01
23-145-400	SOFT ABRASIVE PADS 4-1/2" X 5"	400	200	\$67.01
23-145-500	SOFT ABRASIVE PADS 4-1/2" X 5"	500	200	\$67.01

MIRLON SCUFF PADS 6" X 9"				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
18-111-447	MIRLON SCUFF PAD 6" X 9" VF	(VF)360	20	\$23.84
18-111-448	MIRLON SCUFF PAD 6" X 9" UF	(UF)1500	20	\$23.84

BASECUT FINISHING SHEETS 9" X 11" NO HOLE (OLD 22-101 SERIES)				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
20-101-060	FINISHING SHEETS 9" X 11" PLAIN	P60	50	\$26.70
20-101-080	FINISHING SHEETS 9" X 11" PLAIN	P80	50	\$26.70
20-101-100	FINISHING SHEETS 9" X 11" PLAIN	P100	50	\$24.37
20-101-120	FINISHING SHEETS 9" X 11" PLAIN	P120	50	\$24.37
20-101-150	FINISHING SHEETS 9" X 11" PLAIN	P150	50	\$24.37
20-101-180	FINISHING SHEETS 9" X 11" PLAIN	P180	50	\$24.37
20-101-220	FINISHING SHEETS 9" X 11" PLAIN	P220	50	\$24.37
20-101-320	FINISHING SHEETS 9" X 11" PLAIN	P320	50	\$24.37
20-101-400	FINISHING SHEETS 9" X 11" PLAIN	P400	50	\$24.37

GOLD PROFLEX FINISHING SHEETS 9" X 11" NO HOLE (OLD 23-101 SERIES)				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-104-080	FLEXIBLE FINISHING SHEETS 9" X 11" PLAIN	P80	25	\$19.31
23-104-100	FLEXIBLE FINISHING SHEETS 9" X 11" PLAIN	P100	50	\$28.29
23-104-120	FLEXIBLE FINISHING SHEETS 9" X 11" PLAIN	P120	50	\$28.29
23-104-150	FLEXIBLE FINISHING SHEETS 9" X 11" PLAIN	P150	50	\$28.29
23-104-180	FLEXIBLE FINISHING SHEETS 9" X 11" PLAIN	P180	50	\$28.29
23-104-220	FLEXIBLE FINISHING SHEETS 9" X 11" PLAIN	P220	50	\$28.29
23-104-240	FLEXIBLE FINISHING SHEETS 9" X 11" PLAIN	P240	50	\$28.29
23-104-320	FLEXIBLE FINISHING SHEETS 9" X 11" PLAIN	P320	50	\$28.29
23-104-400	FLEXIBLE FINISHING SHEETS 9" X 11" PLAIN	P400	50	\$28.29

NOTE: (D) INDICATES DISCONTINUED/OBSOLETE ITEM WITH LIMITED STOCK

WATERPROOF FINISHING SHEETS 9" X 11" NO HOLE (OLD 21-104 SERIES)				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
21-101-P080	FINISHING SHEETS 9" X 11" PLAIN	P80	50	\$40.98
21-101-P100	FINISHING SHEETS 9" X 11" PLAIN	P100	50	\$40.98
21-101-P120	FINISHING SHEETS 9" X 11" PLAIN	P120	50	\$38.81
21-101-P150	FINISHING SHEETS 9" X 11" PLAIN	P150	50	\$38.81
21-101-P400	FINISHING SHEETS 9" X 11" PLAIN	P400	50	\$38.81
21-101-P500	FINISHING SHEETS 9" X 11" PLAIN	P500	50	\$38.81
21-101-P600	FINISHING SHEETS 9" X 11" PLAIN	P600	50	\$38.81
21-101-P800	FINISHING SHEETS 9" X 11" PLAIN	P800	50	\$38.81
21-101-P1000	FINISHING SHEETS 9" X 11" PLAIN	P1000	50	\$40.98
21-101-P1200	FINISHING SHEETS 9" X 11" PLAIN	P1200	50	\$40.98
21-101-P1500	FINISHING SHEETS 9" X 11" PLAIN	P1500	50	\$40.98
21-101-P2000	FINISHING SHEETS 9" X 11" PLAIN	P2000	50	\$40.98
21-101-P2500	FINISHING SHEETS 9" X 11" PLAIN	P2500	50	\$40.98

GOLD NON PSA (ADHESIVE-BACKED) FILE SHEETS 2-3/4" X 17-1/2" NO HOLE				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-364-036	PSA (ADHESIVE) FILE SHEETS	36	50	\$49.41
23-364-040	PSA (ADHESIVE) FILE SHEETS	40	50	\$45.17
23-364-080	PSA (ADHESIVE) FILE SHEETS	80	50	\$32.41

GOLD PSA (ADHESIVE-BACKED) AUTOKUT SANDING ROLLS 4-1/2" X 30'				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
23-573-080	PSA (ADHESIVE) AUTOKUT ROLLS 4-1/2" X 30'	P80	1	\$30.07
23-573-100	PSA (ADHESIVE) AUTOKUT ROLLS 4-1/2" X 30'	P100	1	\$27.56
23-573-120	PSA (ADHESIVE) AUTOKUT ROLLS 4-1/2" X 30'	P120	1	\$27.56
23-573-150	PSA (ADHESIVE) AUTOKUT ROLLS 4-1/2" X 30'	P150	1	\$27.56
23-573-180	PSA (ADHESIVE) AUTOKUT ROLLS 4-1/2" X 30'	P180	1	\$27.56
23-573-220	PSA (ADHESIVE) AUTOKUT ROLLS 4-1/2" X 30'	P220	1	\$27.56
23-573-320	PSA (ADHESIVE) AUTOKUT ROLLS 4-1/2" X 30'	P320	1	\$27.56
23-573-400	PSA (ADHESIVE) AUTOKUT ROLLS 4-1/2" X 30'	P400	1	\$27.56

JEPUFLEX ANTISTATIC GRIP (VELCRO) DRUM ROLLS 3" X 75' (OLD 38-325 SERIES)				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
44-325-040	GRIP (VELCRO) DRUM ROLL 3" X 75'	P40	1	\$27.86
44-325-060	GRIP (VELCRO) DRUM ROLL 3" X 75'	P60	1	\$27.23
44-325-080	GRIP (VELCRO) DRUM ROLL 3" X 75'	P80	1	\$25.28
44-325-100	GRIP (VELCRO) DRUM ROLL 3" X 75'	P100	1	\$24.33
44-325-120	GRIP (VELCRO) DRUM ROLL 3" X 75'	P120	1	\$24.33
44-325-150	GRIP (VELCRO) DRUM ROLL 3" X 75'	P150	1	\$24.33
44-325-180	GRIP (VELCRO) DRUM ROLL 3" X 75'	P180	1	\$24.33
44-325-220	GRIP (VELCRO) DRUM ROLL 3" X 75'	P220	1	\$24.33

NOTE: (D) INDICATES DISCONTINUED/OBSOLETE ITEM WITH LIMITED STOCK

JEPUFLEX ANTISTATIC GRIP (VELCRO) DRUM ROLLS 6" X 75'				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
44-625-040	GRIP (VELCRO) DRUM ROLL 6" X 75'	P40	1	\$49.72
44-625-060	GRIP (VELCRO) DRUM ROLL 6" X 75'	P60	1	\$48.12
44-625-080	GRIP (VELCRO) DRUM ROLL 6" X 75'	P80	1	\$46.19
44-625-100	GRIP (VELCRO) DRUM ROLL 6" X 75'	P100	1	\$42.33
44-625-120	GRIP (VELCRO) DRUM ROLL 6" X 75'	P120	1	\$42.33
44-625-150	GRIP (VELCRO) DRUM ROLL 6" X 75'	P150	1	\$42.33
44-625-180	GRIP (VELCRO) DRUM ROLL 6" X 75'	P180	1	\$42.33
44-625-220	GRIP (VELCRO) DRUM ROLL 6" X 75'	P220	1	\$42.33

ABRALON FOAM GRIP (VELCRO) DISCS 6" NO HOLE				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
8A-241-180	FOAM GRIP (VELCRO) DISCS 6"	180	20	\$75.46
8A-241-360	FOAM GRIP (VELCRO) DISCS 6"	360	20	\$75.46
8A-241-500	FOAM GRIP (VELCRO) DISCS 6"	500	20	\$75.46
8A-241-1000	FOAM GRIP (VELCRO) DISCS 6"	1000	20	\$75.46
8A-241-2000	FOAM GRIP (VELCRO) DISCS 6"	2000	20	\$75.46
8A-241-3000	FOAM GRIP (VELCRO) DISCS 6"	3000	20	\$75.46
8A-241-4000	FOAM GRIP (VELCRO) DISCS 6"	4000	20	\$75.46
8A-241-AP	(D) PACK OF 2 EA: 180G 360G 500G 1000G 2000G 4000G	ASST	12	\$63.01

ABRANET NET GRIP (VELCRO) SHEETS 3" X 4"				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
9A-129-080	NET GRIP (VELCRO) SHEETS 3" X 4"	P80	50	\$37.88
9A-129-120	NET GRIP (VELCRO) SHEETS 3" X 4"	P120	50	\$33.87
9A-129-180	NET GRIP (VELCRO) SHEETS 3" X 4"	P180	50	\$33.87
9A-129-240	NET GRIP (VELCRO) SHEETS 3" X 4"	P240	50	\$33.87
9A-129-320	NET GRIP (VELCRO) SHEETS 3" X 4"	P320	50	\$33.87

ABRANET NET GRIP (VELCRO) SHEETS 3" X 5"				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
9A-178-100	ABRANET NET GRIP (VELCRO) SHEETS 3" X 5"	100	50	\$33.87
9A-178-150	ABRANET NET GRIP (VELCRO) SHEETS 3" X 5"	150	50	\$33.87

ABRANET NET GRIP (VELCRO) DISCS 5" - USES BACKUP PAD 915GV				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
9A-232-080	NET GRIP (VELCRO) DISCS 5"	P80	50	\$44.06
9A-232-100	NET GRIP (VELCRO) DISCS 5"	P100	50	\$39.43
9A-232-120	NET GRIP (VELCRO) DISCS 5"	P120	50	\$39.43
9A-232-150	NET GRIP (VELCRO) DISCS 5"	P150	50	\$39.43
9A-232-180	NET GRIP (VELCRO) DISCS 5"	P180	50	\$39.43
9A-232-220	NET GRIP (VELCRO) DISCS 5"	P220	50	\$39.43
9A-232-240	NET GRIP (VELCRO) DISCS 5"	P240	50	\$39.43
9A-232-320	NET GRIP (VELCRO) DISCS 5"	P320	50	\$39.43
9A-232-400	NET GRIP (VELCRO) DISCS 5"	P400	50	\$39.43
9A-232-500	NET GRIP (VELCRO) DISCS 5"	P500	50	\$39.43
9A-232-600	NET GRIP (VELCRO) DISCS 5"	P600	50	\$39.43
9A-232-800	NET GRIP (VELCRO) DISCS 5"	P800	50	\$39.43
9A-232-1000	NET GRIP (VELCRO) DISCS 5"	P1000	50	\$39.43

ABRANET NET GRIP (VELCRO) DISCS 6"				
PART	DESCRIPTION	GRIT	QUANTITY	PRICE
9A-241-080	NET GRIP (VELCRO) DISCS 6"	P80	50	\$51.80
9A-241-100	NET GRIP (VELCRO) DISCS 6"	P100	50	\$45.94
9A-241-120	NET GRIP (VELCRO) DISCS 6"	P120	50	\$45.94
9A-241-150	NET GRIP (VELCRO) DISCS 6"	P150	50	\$45.94
9A-241-180	NET GRIP (VELCRO) DISCS 6"	P180	50	\$45.94
9A-241-220	NET GRIP (VELCRO) DISCS 6"	P220	50	\$45.94
9A-241-240	NET GRIP (VELCRO) DISCS 6"	P240	50	\$45.94
9A-241-320	NET GRIP (VELCRO) DISCS 6"	P320	50	\$45.94
9A-241-400	NET GRIP (VELCRO) DISCS 6"	P400	50	\$45.94
9A-241-600	NET GRIP (VELCRO) DISCS 6"	P600	50	\$45.94
9A-241-800	NET GRIP (VELCRO) DISCS 6"	P800	50	\$45.94
9A-241-1000	NET GRIP (VELCRO) DISCS 6"	P1000	50	\$45.94

ABRANET GRIP (VELCRO) FACED VACUUM BACKUP PADS 5" - FOR VARIOUS ELECTRIC TOOLS				
PART	DESCRIPTION	HOLES	QUANTITY	PRICE
105GVBD	ABRANET GRIP (VELCRO) FACED VACUUM BLACK AND DECKER BACKUP PAD 5" - ELECTRIC TOOL	MULTI	1	\$36.18
105GVPC	ABRANET GRIP (VELCRO) FACED VACUUM PORTER CABLE BACKUP PAD 5" - ELECTRIC TOOL	MULTI	1	\$36.80
915GV	ABRANET GRIP (VELCRO) FACED NET BACKUP PAD 5" X 5/16"	MULTI	1	\$39.75
906GV	ABRANET GRIP (VELCRO) FACED VACUUM INTERFACE PAD 6" 5/16 X 24	16	1	\$47.87
916GV	ABRANET GRIP (VELCRO) VACUUM BACKUP PAD 6" 5/16 X 24	MULTI	1	\$40.72

72" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
72 x 1/8 x 4TR	1/8"	4 SKIP	0.025	\$22.15
72 x 3/16 x 4TS	3/16"	4 SKIP	0.025	\$19.90
72 x 1/2 x 3TH	1/2"	3 HOOK	0.025	\$19.90
72 x 1/2 x 10TR	1/2"	10 REGULAR	0.025	\$19.90

80" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
80 x 1/8 x 14TR	1/8"	14 RAKER	0.025	\$23.44
80 x 3/16 x 4TS	3/16"	4 SKIP	0.025	\$20.89
80 x 1/4 x 4TS	1/4"	4 SKIP	0.025	\$20.89
80 x 1/4 x 6TS	1/4"	6 SKIP	0.025	\$20.89
80 x 3/8 x 4TS	3/8"	4 SKIP	0.025	\$20.89
80 x 1/2 x 3TS	1/2"	3 HOOK	0.025	\$20.89

82" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
82 x 1/8 x 14TR	1/8"	14 RAKER	0.025	\$23.44
82 x 3/16 x 4TS	3/16"	4 SKIP	0.025	\$20.89
82 x 1/4 x 4TS	1/4"	4 SKIP	0.025	\$20.89
82 x 1/4 x 6TS	1/4"	6 SKIP	0.025	\$20.89
82 x 3/8 x 4TS	3/8"	4 SKIP	0.025	\$20.89

93-1/2" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
93-1/2 x 1/8 x 14TR	1/8"	14 RAKER	0.025	\$24.61
93-1/2 x 3/16 x 4TS	3/16"	4 SKIP	0.025	\$21.74
93-1/2 x 1/4 x 4TS	1/4"	4 SKIP	0.025	\$21.74
93-1/2 x 1/4 x 6TS	1/4"	6 SKIP	0.025	\$21.74
93-1/2 x 3/8 x TS	3/8"	4 SKIP	0.025	\$21.74
93-1/2 x 1/2 x 3TS	1/2"	3 SKIP	0.025	\$21.74
93-1/2 x 1/2 x 14TR	1/2"	14 RAKER	0.025	\$21.74
93-1/2 x 3/4 x 3H	3/4"	3 HOOK	0.032	\$25.04

96" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
96 x 1/8 x 14TR	1/8"	14 RAKER	0.025	\$25.28
96 x 3/16 x 4TS	3/16"	4 SKIP	0.025	\$22.28
96 x 1/4 x 4TS	1/4"	4 SKIP	0.025	\$22.28
96 x 1/4 x 6TS	1/4"	6 SKIP	0.025	\$22.28
96 x 3/8 x 4TS	3/8"	4 SKIP	0.025	\$22.28
96 x 1/2 x 4TH	1/2"	4 HOOK	0.025	\$22.28
96 x 3/4 x 3TH	3/4"	3 HOOK	0.032	\$25.70

99" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
99 x 1/8 x 14TR	1/8"	14 RAKER	0.025	\$25.28
99 x 3/16 x 4TS	3/16"	4 SKIP	0.025	\$22.28
99 x 1/4 x 4TS	1/4"	4 SKIP	0.025	\$22.28
99 x 1/4 x 6TS	1/4"	6 SKIP	0.025	\$22.28
99 x 3/8 x 4TS	3/8"	4 SKIP	0.025	\$22.28
99 x 1/2 x 4TS	1/2"	3 SKIP	0.025	\$22.28
99 x 3/4 x 3TH	3/4"	3 HOOK	0.032	\$25.70

102" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
102 x 1/8 x 14TR	1/8"	14 RAKER	0.025	\$25.94
102 x 3/16 x 4TS	3/16"	4 SKIP	0.025	\$22.71
102 x 1/4 x 4TS	1/4"	4 SKIP	0.025	\$22.71
102 x 1/4 x 6TS	1/4"	6 SKIP	0.025	\$22.71
102 x 3/8 x 4TS	3/8"	4 SKIP	0.025	\$22.71
102 x 1/2 x 3TH	1/2"	3 HOOK	0.025	\$22.71
102 x 3/4 x 3TH	3/4"	3 HOOK	0.032	\$26.33

105" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
105 x 1/8 x 14TR	1/8"	14 RAKER	0.025	\$25.89
105 x 3/16 x 4TS	3/16"	4 SKIP	0.025	\$22.71
105 x 1/4 x 4TS	1/4"	4 SKIP	0.025	\$22.71
105 x 1/4 x 6TS	1/4"	6 SKIP	0.025	\$22.71
105 x 3/8 x 4TS	3/8"	4 SKIP	0.025	\$22.71
105 x 1/2 x 3TH	1/2"	3 HOOK	0.025	\$22.71
105 x 3/4 x 3TH	3/4"	3 HOOK	0.032	\$26.33

123" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
123 x 1/8 x 14TR	1/8"	14 RAKER	0.025	\$27.83
123 x 1/4 x 6TS	1/4"	6 SKIP	0.025	\$24.10
123 x 1/2 x 3TH	1/2"	3 SKIP	0.025	\$24.10
123 x 3/4 x 3TH	3/4"	3 HOOK	0.032	\$28.25

133" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
133 x 1/8 x 14TR	1/8"	14 RAKER	0.025	\$29.74
133 x 3/16 x 4TS	3/16"	4 SKIP	0.025	\$25.55
133 x 1/4 x 4TS	1/4"	4 SKIP	0.025	\$25.55
133 x 1/4 x 6TS	1/4"	6 SKIP	0.025	\$25.55
133 x 3/8 x 4TS	3/8"	4 SKIP	0.025	\$25.55
133 x 1/2 x 4TS	1/2"	4 SKIP	0.025	\$25.55
133 x 3/4 x 3TH	3/4"	3 HOOK	0.032	\$30.14
133 x 1 x 3TH	1"	3 HOOK	0.032	\$32.80

137" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
137 x 1/4 x 4TS	1/4"	4 SKIP	0.025	\$25.75
137 x 3/8 x 4TS	3/8"	4 SKIP	0.025	\$25.75
137 x 1/2 x 3TS	1/2"	3 SKIP	0.025	\$25.75
137 x 3/4 x 3TH	3/4"	3 HOOK	0.032	\$30.14
137 x 1 x 3TH	1"	3 HOOK	0.035	\$32.80
137 x 1-1/4 x 1.3TH	1-1/4"	12 HOOK	0.035	\$40.58

150" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
150 x 1/4 x 4TS	1/4"	4 SKIP	0.025	\$26.41
150 x 3/8 x 4TS	3/8"	4 SKIP	0.025	\$26.41
150 x 1/2 x 3TS	1/2"	3 SKIP	0.025	\$26.41
150 x 3/4 x 3TH	3/4"	3 HOOK	0.032	\$31.53

156-1/2" BAND SAW BLADES				
PART	WIDTH	TPI	GAUGE	PRICE
156-1/2 x 1/8 x 14TR	1/8"	14 RAKER	0.025	\$30.60
156-1/2 x 3/16 x 4TS	3/16"	4 SKIP	0.025	\$27.39
156-1/2 x 1/4 x 4TS	1/4"	4 SKIP	0.025	\$27.39
156-1/2 x 1/4 x 6TS	1/4"	6 SKIP	0.025	\$27.39
156-1/2 x 3/8 x 4TS	3/8"	4 SKIP	0.025	\$27.39
156-1/2 x 1/2 x 4TS	1/2"	4 SKIP	0.025	\$27.39
156-1/2 x 3/4 x 3TH	3/4"	3 HOOK	0.032	\$32.80
156-1/2 x 1 x 3TH	1"	3 HOOK	0.032	\$35.80

CHOOSING THE CORRECT BLADE LENGTH

CALCULATION METHOD

If the Operator's Manual for your band saw does not specify the proper blade length use the following procedure to determine the blade length:

1. Fix pulleys or wheels in working position
2. Determine distance from center of hub on upper and lower wheels (C)
3. Determine radius of the upper and of the lower wheel
4. Apply the following formula:

$$(R1 \times 3.1416) + (R2 \times 3.1416) + (2 \times C) = \text{length}$$

OZARK HILLBILLY METHOD

1. Wrap thin fishing line around wheels and cutting area
2. Cut and measure length

CUSTOM LENGTH BAND SAW BLADES

- Hard Edge Flex Back
(6 blade minimum of same length/width/teeth)
- Bi-Metal
(3 blade minimum of same length/width/teeth)
- Carbide Tipped (1 blade minimum)

NO RETURNS ON CUSTOM ORDER BLADES

sales@ballewsaw.com 800-288-7483

PANEL SAWS

Designed for use on panel machines for cutting MDF, particle board, laminates, and bonded materials. All panel saws are made with SuperMicro-Sheen C-11 sub-micron carbide for longer life. Machine applications listed are only a guideline. All panel saws have a 15 degree hook angle.

PART	DIA	TEETH	BORE & PINHOLEMM	KERFMM	PLATEMM	DESIGN	FOR USE ON	PRICE
PS3003060T	300MM	60T	30, 2/7/42 + 2/10/60	4.4	3.2	TCG	Mayer, Scheer	\$163.20
PS3006572T	300MM	72T	65, 2/9/110	4.4	3.2	TCG	Selco	\$166.80
PS3007572T	300MM	72T	75	4.4	3.2	TCG	Giben, Homag	\$166.80
PS3008060T	300MM	60T	80, 2/14/110 + 4/9/100 + 2/7/110	4.4	3.2	TCG	SCM, Mayer	\$163.20
GAM3003072	300MM	72T	30, 2/7/42 + 2/10/60	3.2	2.2	ATB	Altendorf, Scheer	\$97.40
GAM3003096	300MM	96T	30, 2/7/42 + 2/10/60	3.2	2.2	ATB	Altendorf, Scheer	\$111.20
PS3205072T	320MM	72T	50, 3/12.5/80	4.4	3.2	TCG	Giben	\$169.80
PS3206572T	320MM	72T	65, 2/9/110	4.4	3.2	TCG	Selco	\$169.80
PS3503054A	350MM	54T	30, 2/10/60	4.4	3.2	ATB	Schelling, Various	\$156.60
PS3503054T	350MM	54T	30, 2/10/60	4.4	3.2	TCG	Schelling, Various	\$161.40
PS3507554A	350MM	54T	75	4.4	3.2	ATB	Giben, Homag	\$156.60
PS3503072A	350MM	72T	30, 2/10/60	4.4	3.2	ATB	Schelling, Holzher	\$166.80
PS3503072T	350MM	72T	30, 2/10/60	4.4	3.2	TCG	Schelling, Holzher	\$174.20
PS350Q72T	350MM	72T	1-1/4"	4.4	3.2	TCG	SCM	\$174.20
PS3505072T	350MM	72T	50, 4/12.5/80	4.4	3.2	TCG	Giben	\$187.40
PS3506072T	350MM	72T	60, 2/14/100	4.4	3.2	TCG	Holzma	\$174.20
PS3507572T	350MM	72T	75	4.4	3.2	TCG	Giben, Homag	\$178.80
PS3508072T	350MM	72T	80, 4/9/100 + 2/7/110 + 2/14/110 + 2/9/110 + 2/14/110	4.4	3.2	TCG	SCM, Gabbiani	\$174.20
PS3703072T	370MM	72T	30, 2/10/60	4.4	3.2	TCG	Schelling	\$213.00
PS3805072T	380MM	72T	50, 4/12.5/80	4.4	3.2	TCG	Giben	\$213.00
PS3806060T	380MM	60T	60, 2/14/100	4.4	3.2	TCG	Holzma	\$210.20
PS3803072T	380MM	72T	30, 2/14/100	4.4	3.2	TCG	Schelling	\$221.20
PS3806072T	380MM	72T	60, 2/14/100	4.4	3.2	TCG	Holzma	\$213.00
PS3806072TB	380MM	72T	60, 2/14/100	4.8	3.5	TCG	Holzma	\$230.60
PS3806572T	380MM	72T	65, 2/9/110	4.4	3.2	TCG	Selco	\$206.80
PS3808072T	380MM	72T	80, 2/14/110	4.4	3.2	TCG	Gabbiani	\$213.00
PS4007560T	400MM	60T	75, 4/15/105	4.4	3.2	TCG	Giben, Homag	\$215.00
PS4008060T	400MM	60T	80, 2/9/130 + 4/19/120	4.4	3.2	TCG	Selco	\$225.80
PS4003072T	400MM	72T	30	4.4	3.2	TCG	Schelling, Various	\$222.00
PS4006072T	400MM	72T	60, 2/11/115	4.4	3.2	TCG	Holzma	\$222.00
PS4007572T	400MM	72T	75, 2/7/110	4.4	3.2	TCG	Various	\$222.80
PS4008072T	400MM	72T	80, 4/9/100 + 2/7/110 + 2/14/110	4.4	3.2	TCG	Gabbiani	\$222.00
PS4206072T	420MM	72T	60, 2/11/115	4.8	3.4	TCG	Holzma	\$260.20
PS4307560T	430MM	60T	75, 4/15/105	4.8	3.5	TCG	Giben	\$260.20
PS4307572T	430MM	72T	75, 4/15/105	4.8	3.5	TCG	Giben	\$260.20
PS4308072A	430MM	72T	80, 2/9/130 + 4/19/120	4.4	3.2	ATB	Selco	\$234.40
PS4308072T	430MM	72T	80, 2/9/130 + 4/19/120	4.4	3.2	TCG	Selco	\$234.40
PS4503072T	450MM	72T	30	4.4	3.2	TCG	Schelling	\$260.20
PS4506072T	450MM	72T	60, 2/14/125	4.8	3.5	TCG	Holzma	\$272.00

PANEL SAWS

Designed for use on panel machines for cutting MDF, particle board, laminates, and bonded materials. All panel saws are made with SuperMicro-Sheen C-11 sub-micron carbide for longer life. Machine applications listed are only a guideline. All panel saws have a 15 degree hook angle.

PART	DIA	TEETH	BORE & PINHOLEMM	KERFMM	PLATEMM	DESIGN	FOR USE ON	PRICE
PS4508072A	450MM	72T	80, 2/9/130 + 4/19/120	4.4	3.2	ATB	Selco, Gabbiani	\$234.40
PS4508072T	450MM	72T	80, 2/9/130 + 4/19/120	4.4	3.2	TCG	Selco, Gabbiani	\$234.40
PS4603072T	460MM	72T	30, 2/13/94	4.4	3.2	TCG	Holzma	\$250.00
PS4707560T	470MM	60T	75, 4/15/105	4.8	3.5	TCG	Giben	\$208.60
PS4707572T	470MM	72T	75, 4/15/105	4.4	3.2	TCG	Giben	\$256.40
PS4803060T	480MM	60T	30	4.4	3.2	TCG	Schelling	\$234.40
PS4803072T	480MM	72T	30	4.4	3.2	TCG	Schelling	\$250.00
PS4808072T	480MM	72T	80, 2/9/130 + 4/19/120	4.8	3.5	TCG	Selco	\$250.00
PS5003060T	500MM	60T	30	4.4	3.2	TCG	Schelling, Mayer	\$293.60
PS5006072T	500MM	72T	60, 2/11/115 + 2/19/120	5	3.5	TCG	Holzma	\$302.00
PS5007572T	500MM	72T	75, 2/11/115 + 2/19/120	5	3.5	TCG	Giben	\$302.00
PS5008072T	500MM	72T	80, 2/9/110	5	3.5	TCG	Gabbiani	\$289.60
PS5206060T	520MM	60T	60, 2/11/115 + 2/19/120	4.8	3.5	TCG	Holzma	\$276.40
PS5303060T	530MM	60T	30	5	3.5	TCG	Schelling	\$291.40
PS5406060T	540MM	60T	60, 2/11/115 + 2/19/120	5	3.5	TCG	Holzma	\$312.40
PS5406084T	540MM	84T	60, 2/11/115 + 2/19/120	5	3.5	TCG	Holzma	\$347.60
PS5501072TG	550MM	72T	100	5	3.5	TCG	Giben	\$323.00
PS5706060T	570MM	60T	60, 2/19/120+2/11/115	5	3.5	TCG	Holzma	\$328.80
PS6006060T	600MM	60T	60, 2/11/115 + 2/19/120	5.8	4	TCG	Holzma	\$439.80
PS6006072T	600MM	72T	60, 2/11/115 + 2/19/120	5.8	4	TCG	Holzma	\$471.60
PS6704060T	670MM	60T	40, 1/11/140	6.2	4.2	TCG	Schelling	\$544.80
PS6706060T	670MM	60T	60, 2/11/148 + 2/19/120	6.2	4.2	TCG	Holzma	\$544.80

USING MAIN BLADE & MATCHING SCORING BLADE

To solve the problem of a material chipping at the bottom is best done with a main blade and a scoring blade, held in precise alignment to each other and turning in opposite directions. The lower surface is scored, cut by the smaller scoring blade ahead of the larger main blade that completes the cut. The outer surface of the material has already been cut and cannot chip.

With each sharpening, the main blade becomes shorter and narrower. The scoring blades must cut a kerf of the same width as the main blade kerf. (Scoring blade is re-sharpened only on the face to maintain the constant kerf.) Consequently, the scoring saw kerf has to be altered. The conic scoring saw, when first put in use, cuts a deeper groove to match the wide main blade. As the main saw becomes narrower, the scoring saw must cut shallower (narrower) to match the main saw.

Typically the main and scoring saws are as a set and kept together for their entire useful lives.

For split scoring saws, the need to match the kerf to that of a main saw remains the same, though the mechanics are different. Spacers (shims) are added to make it as wide as the new main saw. As the main saw becomes narrower with the repeated sharpening, spacers are removed from the scoring saw to keep it at the width of the main saw.

NPS SERIES PANEL SAWS

The NPS Series Panel Saws are designed to run longer and give extended performance when it counts. The NPS Series Panel Saw Blades come with larger, stronger carbide tips designed to combat the abrasive glues and binding elements in MDF, laminates, particle boards, etc. In addition to the new tips, our saw plates are held to strict tolerances keeping the saw bodies extremely flat which makes the saws run truer. All panel saws have a 15 degree hook. More sizes to be added, call us at 800-288-7483 if you what you need is not listed.

PART	DIA	TEETH	BORE & PINHOLEMM	KERFMM	PLATEMM	DESIGN	FOR USE ON	PRICE
NPS3007572TN	300MM	72T	75	4.4	3.2	TCG	Giben, Homag	\$179.20
NPS3503054TN	350MM	54T	30, 2/10/60	4.4	3.2	TCG	Schelling, Various	\$171.80
NPS3503072TN	350MM	72T	30, 2/10/60	4.4	3.2	TCG	Schelling, Various	\$187.00
NPS3507572TN	350MM	72T	75	4.4	3.2	TCG	Schelling, Holzher	\$192.40
NPS3703072TN	370MM	72T	30, 2/10/60	4.4	3.2	TCG	Schelling	\$234.40
NPS3805072T	380MM	72T	50, 4/12.5/80	4.4	3.2	TCG	Giben	\$234.40
NPS3806572TN	380MM	72T	65, 2/9/110	4.4	3.2	TCG	Selco	\$227.60
NPS3806072TBN	380MM	72T	60, 2/14/100	4.8	3.5	TCG	Holzma	\$245.40
NPS4003072TN	400MM	72T	30	4.4	3.2	TCG	Schelling, Various	\$236.40
NPS4008072TN	400MM	72T	80, 2/9/130, 4/19/120	4.4	3.2	TCG	Gabbiani	\$236.40
NPS4307596TN	430MM	92T	75, 4/15/105	4.4	3.2	TCG	Giben	\$311.40
NPS4308072TN	430MM	72T	80, 2/9/130, 4/19/120	4.4	3.2	TCG	Selco	\$269.60
NPS4603072TN	460MM	72T	30, 2/13/94	4.4	3.2	TCG	Holzma	\$287.40
NPS4803072TN	480MM	72T	30	4.4	3.2	TCG	Schelling	\$287.40
NPS5406084TN	540MM	84T	60, 2/11/115, 2/19/120	5	3.5	TCG	Holzma	\$399.80
NPS6006060TN	600MM	60T	60, 2/11/115, 2/19/120	5.8	4	TCG	Holzma	\$472.40

SPLIT SCORING SAWS

Split design allows adjustment to match kerf of main blade simply by adding shims. All split saws are made with SuperMicro-Sheen C-11 sub micron carbide for longer life. All split scoring saws have 10 degree hook angle. The new SSRP12050 is for fully adjustable scoring.

PART	DIA	TEETH	BOREMM	KERFMM	PLATEMM	DESIGN	USE ON:	PRICE
SS100Q	100MM	2x12	3/4"	2.8-3.6	2	Split , FTG	SCM	\$128.80
SS10020	100MM	2x12	20	2.8-3.6	2	Split, FTG	SCM, Shelling	\$128.80
SS10022	100MM	2x12	22	2.8-3.6	2	Split , FTG	Altendorf, Martin	\$128.80
SS120Q	120MM	2x12	3/4"	2.8-3.6	2	Split, FTG	SCM	\$128.80
SS12020	120MM	2x12	20	2.8-3.6	2	Split , FTG	SCM	\$128.80
SS12022	120MM	2x12	22	2.8-3.6	2	Split, FTG	Altendorf	\$128.80
SSEZ12030	120MM	2x12	30	1.9MM	2	Split, FTG	EZ Dial	\$134.60
SSRP12050	120MM	2x12	50	2.8-3.6	2	Split, FTG	Altendorf	\$132.00

USING MAIN BLADE & MATCHING SCORING BLADE

To solve the problem of a material chipping at the bottom is best done with a main blade and a scoring blade, held in precise alignment to each other and turning in opposite directions. The lower surface is scored, cut by the smaller scoring blade ahead of the larger main blade that completes the cut. The outer surface of the material has already been cut and cannot chip.

With each sharpening, the main blade becomes shorter and narrower. The scoring blades must cut a kerf of the same width as the main blade kerf. (Scoring blade is re-sharpened only on the face to maintain the constant kerf.) Consequently, the scoring saw kerf has to be altered. The conic scoring saw, when first put in use, cuts a deeper groove to match the wide main blade. As the main saw becomes narrower, the scoring saw must cut shallower (narrower) to match the main saw.

Most often, the main and scoring saws are as a set and kept together for their entire useful lives.

For split scoring saws, the need to match the kerf to that of a main saw remains the same, though the mechanics are different. Spacers (shims) are added to make it as wide as the new main saw. As the main saw becomes narrower with the repeated sharpening, spacers are removed from the scoring saw to keep it at the width of the main saw.

CONIC SCORING SAWS

Conic tooth shape allows adjustment to match the kerf of main blade simply by adjusting the height of scoring blade.
All are made with SuperMicro-Sheen C-11 sub-micron carbide for longer life; 10 degree hook for all conic scoring saws.

PART	DIA	TEETH	BOREMM	KERFMM	PLATEMM	DESIGN	USE ON:	PRICE
SC1202024T	120MM	24T	20	3.2-4.2	2.2	RA	various	\$90.80
SC1202024F	120MM	24T	20	4.4-5.4	3.2	RA	various	\$93.60
SC1252024	125MM	24T	20	4.4-5.4	3.2	RA	Schelling	\$95.40
SC1254524	125MM	24T	45	4.4-5.4	3.2	RA	Giben, Homag	\$113.00
SC1503024T	150MM	24T	30	4.4-5.2	3.2	RA	Mayer	\$124.00
SC150Q24	150MM	24T	1-1/4"	4.4-5.4	3.2	RA	SCM	\$124.00
SC1504524	150MM	24T	45	4.4-5.4	3.2	RA	Homag	\$124.00
SC1604536	160MM	36T	45, 3/11/70	4.4-5.4	3.2	RA	Giben, Homag	\$155.00
SC1605536	160MM	36T	55, 3/7/66	4.4-5.4	3.2	RA	Gabbiani	\$147.20
SC1754528	175MM	28T	45, 2/11/115	4.4-5.4	3.2	RA	Holzma	\$147.20
SC1804530F	180MM	30T	45	4.4-5.4	3.2	RA	Holzma, Homag	\$158.20
SC180503044	180MM	30T	50, 3/12.5/80	4.4-5.4	3.2	RA	Giben	\$153.80
SC1802034	180MM	34T	20, 2/7/42+2/10/60	4.4-5.4	3.2	RA	Schelling, Mayer	\$159.20
SC1803034	180MM	34T	30, 2/7/42+2/10/60	4.4-5.4	3.2	RA	various	\$159.20
SC1804536H	180MM	36T	45	4.8-5.8	3.5	RA	Holzma	\$159.20
SC1805036	180MM	36T	50, 3/13/80	4.4-5.4	3.2	RA	Giben	\$165.80
SC1805536G	180MM	36T	55	5.0-6.0	3.5	RA	Giben	\$158.20
SC2002034F	200MM	34T	20	4.4-5.4	3.2	RA	Schelling	\$147.20
SC2002034S	200MM	34T	20, 2/11/115	5.0-6.0	3.5	RA	Schelling	\$153.80
SC2004534T	200MM	34T	45, 2/11/115	4.4-5.4	3.2	RA	Holzma	\$147.20
SC2004534E	200MM	34T	45, 2/11/115	4.8-5.8	3.5	RA	Holzma	\$147.20
SC2004534J	200MM	34T	45, 2/11/115	5.0-6.0	3.5	RA	Holzma	\$153.80
SC2004534S	200MM	34T	45, 2/11/115	5.8-6.8	4	RA	Holzma	\$163.20
SC2006534	200MM	34T	65, 2/9/110+2/9/100	4.4-5.2	3.2	RA	Selco	\$147.20
SC2002062	200MM	36T	20	6.2-7.2	4.2	RA	Schelling	\$175.80
SC2004536H	200MM	36T	45	5.8-6.8	4	RA	Holzma	\$163.20
SC2004562	200MM	36T	45	6.2-7.2	4.2	RA	Holzma, Homag	\$175.80
SC2005036	200MM	36T	50, 2/7/80	4.4-5.2	3.5	RA	Giben	\$163.80
SC2006536	200MM	36T	65, 2/9/110+2/9/100	4.8-5.8	3.2	RA	Selco	\$163.20
SC2008036	200MM	36T	80, 2/14/110	4.4-5.4	3.2	RA	SCM, Gabbiani	\$163.20
SC2155042	215MM	42T	50, 3/15/80	4.8-5.8	3.2	RA	Giben	\$184.40
SC215504244	215MM	42T	50,3/15/80	4.4-5.4	3.2	RA	Giben	\$184.40

NAIL BITING SAWS

Nail biting blades are specially designed to cut woods that have hard to cut materials in them such as nails and metal staples.
Great for pallet recyclers or any other company recycling woods. All nail biting blades have 0 degree hook.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE & PINS	PRICE
NL1228	12"	28T	UNI-TCG	.180"	.118"	1"	\$121.80
NL1430	14"	30T	UNI-TCG	.180"	.118"	1"	\$137.40
NL1630	16"	30T	UNI-TCG	.205"	.134"	1"	\$153.00
NL1836	18"	36T	UNI-TCG	.205"	.134"	1"	\$196.40
NL2040	20"	40T	UNI_TCG	.205"	.134"	1"	\$228.80

EDGE BANDERS

For trimming plastic protecting edge bandings of solid wood, wood veneers and plastic.
For use on single and double side edge banding machines.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
EB10020A	100MM	20T	ATB	3.0MM	2.0MM	20MM	5	\$48.40
EB1002020L	100MM	20T	Left	3.0MM	2.0MM	20MM	5	\$48.40
EB1002020R	100MM	20T	Right	3.0MM	2.0MM	20MM	5	\$48.40
EB10032A	100MM	20T	ATB	3.0MM	2.0MM	32MM	5	\$48.40
EB1003220L	100MM	20T	Left	3.0MM	2.0MM	32MM	5	\$48.40
EB1003220R	100MM	20T	Right	3.0MM	2.0MM	32MM	5	\$48.40
EB110220A	110MM	20T	ATB	3.6MM	2.6MM	22MM	5	\$48.40
EB1202024A	120MM	24T	ATB	3.2MM	2.2MM	20MM	5	\$53.20
EB1252040L	125MM	40T	Left	3.2MM	2.2MM	20MM	5	\$60.40
EB1252040R	125MM	40T	Right	3.2MM	2.2MM	20MM	5	\$60.40
EB1502230L	150MM	30T	Left	3.5MM	2.3MM	22MM	5	\$62.20
EB1502230R	150MM	30T	Right	3.5MM	2.3MM	22MM	5	\$62.20
EB1602048L	160MM	48T	Left	3.2MM	2.2MM	20MM	5	\$70.80
EB1602048R	160MM	48T	Right	3.2MM	2.2MM	20MM	5	\$70.80
EB1702048L	170MM	48T	Left	3.2MM	2.2MM	20MM	5	\$70.80
EB1702048R	170MM	48T	Right	3.2MM	2.2MM	20MM	5	\$70.80
EB1802048A	180MM	48T	ATB	3.2MM	2.2MM	20MM	5	\$76.00
VORW10024L*	100MM	24T	Left	3.6MM	2.2MM	1"	15	\$102.20
VORW10024R*	100MM	24T	Right	3.6MM	2.2MM	1"	15	\$102.20

*VORW10024L & VORW10024R are for the Vorwood Door Trimming machine

COMBINATION SAWS

Combination saws are designed for all around use, when acceptable rips and crosscuts must be made with one saw blade.
The larger gullets allow deeper cuts and efficient saw dust escape on rip cuts.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
CR740	7"	40T	ATB+R	.126"	.087"	5/8"	15	\$67.80
CR840	8"	40T	ATB+R	.126"	.087"	5/8"	15	\$78.80
CR940	9"	40T	ATB+R	.126"	.087"	5/8"	15	\$78.80
CR1040	10"	40T	ATB+R	.126"	.087"	5/8"	15	\$76.00
CR1050	10"	50T	ATB+R	.126"	.087"	5/8"	15	\$73.00
CR1250	12"	50T	ATB+R	.134"	.094"	1"	15	\$124.00
CR1260	12"	60T	ATB+R	.134"	.094"	1"	15	\$132.80
CR1460	14"	60T	ATB+R	.160"	.110"	1"	15	\$152.20
CR1470	14"	70T	ATB+R	.160"	.110"	1"	15	\$169.80
CR1660	16"	60T	ATB+R	.165"	.118"	1"	15	\$175.80
CR1680	16"	80T	ATB+R	.165"	.118"	1"	15	\$196.40

Popular Tools optimizing saw blades are dedicated to optimizing saws such as the Paul™ and Grecon/Weinig™ Machines. These blades are precision cut, ground, tensioned, and balanced to strict tolerances which are crucial for straight cuts at high RPM's. The saw body has unique formulated epoxy filled expansion slots in the body to eliminate noise and vibration. Due to the strenuous running conditions for optimizing saws, special care and maintain extremely tight tolerances are used in manufacturing these blades to deliver the highest quality into each blade.

OPTIMIZING SAWS - DIMTER									
PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	WOOD TYPE	PRICE
OPD400100A	400MM	100T	ATB	4.4	3.2	30MM	15	Hard Wood	\$238.20
OPD400100H	400MM	100T	HATB	4.4	3.2	30MM	15	Soft Wood	\$247.80
OPD450108H	450MM	108T	HATB	4.8	3.5	30MM	15	Soft Wood	\$430.40
OPD450138A	450MM	138T	ATB	4.8	3.5	30MM	15	Hard Wood	\$447.80
OPD450138H	450MM	138T	HATB	4.8	3.5	30MM	15	Soft Wood	\$457.00
OPD50012A	500MM	120T	ATB	5	3.5	30MM, 2/15/63	10	Hard Wood	\$366.20
OPD500144A	500MM	144T	ATB	5	3.5	30, 2/15/63	15	Hard Wood	\$539.00
OPD500144H	500MM	144T	HATB	5	3.5	30, 2/15/63	15	Soft Wood	\$552.20
OPD520144A	520MM	144T	ATB	5	3.5	30, 2/15/63	15	Hard Wood	\$558.00
OPD520144H	520MM	144T	HATB	5	3.5	30, 2/15/63	15	Soft Wood	\$571.20
OPD60030144	600MM	144T	ATB	5	3.5	30, 2/15/63	10	Soft Wood	\$604.20

OPTIMIZING SAWS - PAUL										
PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	WOOD TYPE	MACHINE	PRICE
OPP50096T	500MM	96T	TCG	5	3.5	70MM, 6/8/220	15	Hard Wood	Paul 11	\$571.20
OPP500120A	500MM	120T	ATB	5	3.5	70MM, 6/8/220	15	Mid Hard Wood	Paul 11	\$609.40
OPP570120A	570MM	120T	ATB	5	3.5	120MM, 6/10.5/240	15	Hard Wood	Paul 14 (old)	\$676.20
OPP570120H	570MM	120T	HATB	5	3.5	120MM, 6/10.5/240	15	Soft Wood	Paul 14 (old)	\$695.00
OPP600144A	600MM	144T	ATB	5	3.5	120MM, 6/10.5/240	15	Hard Wood	Paul C14 (new)	\$695.00
OPP600144H	600MM	144T	HATB	5	3.5	120MM, 6/10.5/240	15	Soft Wood	Paul C14 (new)	\$714.00

Hard Wood (Oak)
 Mid Hard Wood (Rubber wood)
 Soft Wood (Chinese parasol tree, Alder, Pine)

OPTIMIZING SAWS - ULTIMIZER									
PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE	
OPU18120H	18"	120T	HATB	.189"	.137"	1"	15	\$428.40	

GENERAL PURPOSE - ALTERNATE TOP

These saws are designed for general sizing and cutting of natural woods. A higher number of teeth provides a finer edge to the cut, but should be used only on thinner material. The saw blades designated by the prefix GAM contain Micro-Sheen C-4 sub-micron carbide, which provides longer tool life. The blades designated by the prefix GAL have laser cuts in the body to help reduce noise.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
FS16048A*	160MM	48T	ATB	2.2	1.5	20MM	10	\$55.60
RS72524	7-1/4"	24T	ATB	.110"	.079"	5/8"	20	\$65.00
GA72540	7-1/4"	40T	ATB	.110"	.079"	5/8"	10	\$71.60
GA72560	7-1/4"	60T	ATB	.110"	.079"	5/8"	10	\$80.80
GA840	8"	40T	ATB	.118"	.079"	5/8"	10	\$71.60
GA860	8"	60T	ATB	.118"	.079"	5/8"	10	\$88.40
GA940	9"	40T	ATB	.126"	.087"	5/8"	10	\$80.80
GA960	9"	60T	ATB	.126"	.087"	5/8"	10	\$88.40
GAM2503060	250MM	60T	ATB	3.2MM	2.2MM	30MM, 2/7/42	10	\$67.00
GAM2503080	250MM	80T	ATB	3.2MM	2.2MM	30MM, 2/7/42	10	\$81.80
GA1040	10"	40T	ATB	.126"	.087"	5/8"	10	\$60.40
GA1040R	10"	40T	ATB	.126"	.087"	1"	10	\$60.40
GAL1040	10"	40T	ATB	.126"	.087"	5/8"	10	\$72.60
GA1060	10"	60T	ATB	.126"	.087"	5/8"	10	\$58.80
GA1060R	10"	60T	ATB	.126"	.087"	1"	10	\$61.20
GAL1060	10"	60T	ATB	.126"	.087"	5/8"	10	\$75.20
GAM1060	10"	60T	ATB	.126"	.087"	5/8"	10	\$75.20
GA1080	10"	80T	ATB	.126"	.087"	5/8"	10	\$74.80
GA1080R	10"	80T	ATB	.126"	.087"	1"	10	\$78.00
GAL1080	10"	80T	ATB	.126"	.087"	5/8"	10	\$88.40
GAM1080	10"	80T	ATB	.126"	.087"	5/8"	10	\$88.40
GA1010	10"	100T	ATB	.126"	.087"	5/8"	10	\$147.20
GAM3003072	300MM	72T	ATB	3.2MM	2.2MM	30MM, 2+2PH	10	\$97.40
GAM3003096	300MM	96T	ATB	3.2MM	2.2MM	30MM, 2+2PH	10	\$111.20
RS1236	12"	36T	ATB	.126"	.087"	1"	20	\$95.40
GA1248	12"	48T	ATB	.134"	.094"	1"	10	\$88.40
GA1260	12"	60T	ATB	.134"	.094"	1"	10	\$78.40
GA1280P	12"	80T	ATB	.134"	.094"	5/8"	10	\$99.40
GA1280	12"	80T	ATB	.134"	.094"	1"	10	\$95.40
GAL1280	12"	80T	ATB	.134"	.094"	1"	10	\$104.20
GA1280CW	12"	80T	ATB	.165"	.118"	1"	10	\$168.00
TS1210	12"	100T	ATB	.126"	.087"	1"	10	\$132.80
GAM3503072	350MM	72T	ATB	3.5MM	2.5MM	30MM, 2+2PH	10	\$144.60
GAM3503096	350MM	96T	ATB	3.2MM	2.5MM	30MM, 2+2PH	10	\$159.20

*FS16048A is meant for the Festool plunge saw

GENERAL PURPOSE - ALTERNATE TOP

These saws are designed for general sizing and cutting of natural woods. A higher number of teeth provides a finer edge to the cut, but should be used only on thinner material. The saw blades designated by the prefix GAM contain Micro-Sheen C-4 sub-micron carbide, which provides longer tool life. The blades designated by the prefix GAL have laser cuts in the body to help reduce noise.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
GA1440	14"	40T	ATB	.184"	.134"	1"	0	\$187.40
GA1460	14"	60T	ATB	.157"	.118"	1"	10	\$135.40
GAL1460	14"	60T	ATB	.157"	.118"	1"	10	\$139.80
GA1480	14"	80T	ATB	.157"	.118"	1"	10	\$156.60
GAL1480	14"	80T	ATB	.157"	.118"	1"	10	\$159.20
GA1410	14"	100T	ATB	.157"	.118"	1"	10	\$175.80
GA1412	14"	120T	ATB	.165"	.118"	1"	10	\$204.00
GA4003060	400MM	60T	ATB	3.5MM	2.5MM	30MM	15	\$139.80
GA4003012	400MM	120T	ATB	4.6MM	3.4MM	30MM	10	\$204.00
GA1640	16"	40T	ATB	.185"	.134"	1"	10	\$191.80
GA1654HD	16"	54T	ATB	.165"	.126"	1"	10	\$175.80
GA1660	16"	60T	ATB	.165"	.126"	1"	10	\$178.80
GA1680	16"	80T	ATB	.165"	.126"	1"	10	\$187.40
GA1610	16"	100T	ATB	.165"	.126"	1"	10	\$210.20
GA1840	18"	40T	ATB	.180"	.134"	1"	10	\$204.00
GA1860	18"	60T	ATB	.180"	.134"	1"	10	\$225.80
GA1880	18"	80T	ATB	.180"	.134"	1"	10	\$248.20
GA1810	18"	100T	ATB	.180"	.134"	1"	10	\$280.80
GA1812	18"	120T	ATB	.180"	.134"	1"	10	\$314.60
GA1814	18"	140T	ATB	.180"	.134"	1"	10	\$361.20
GA19140	19"	140T	ATB	.180"	.134"	1"	10	\$451.40
GA2040	20"	40T	ATB	.194"	.134"	1"	10	\$255.20
GA2060	20"	60T	ATB	.180"	.134"	1"	10	\$279.40
GA2080	20"	80T	ATB	.180"	.134"	1"	10	\$308.00
GA2010	20"	100T	ATB	.180"	.134"	1"	10	\$327.80
GA2012	20"	120T	ATB	.180"	.134"	1"	10	\$354.20
GA2440	24"	40T	ATB	.245"	.165"	1"	5	\$408.60
GA2680A	26"	80T	ATB	.245"	.165"	1"	5	\$599.00
GA2610A	26"	100T	ATB	.245"	.165"	1"	5	\$617.80
GA2612	26"	120T	ATB	.245"	.165"	1"	5	\$680.80
GA2860N	28"	60T	ATB	.245"	.165"	1"	-5	\$613.40
GA2880	28"	80T	ATB	.245"	.165"	1"	5	\$617.80

GENERAL PURPOSE SAWS - TRIPLE CHIP

These saws are designed for high production cutting of natural woods, plywood, chipboard, and MDF. The TCG teeth offer less wear than the ATB with nearly the same quality of cut. Blades designated by the prefix GTM contain Micro-Sheen C-4 sub-micron carbide, which provides for a longer tool life. The blades designated by the prefix GTL have laser cuts in the body to help reduce noise.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
GT740	7-1/4"	40T	TCG	.110"	.079"	5/8"	10	\$71.60
GT760	7-1/4"	60T	TCG	.110"	.079"	5/8"	10	\$83.40
GT840	8"	40T	TCG	.118"	.079"	5/8"	10	\$75.20
GT860	8"	60T	TCG	.118"	.079"	5/8"	10	\$93.60
GTM22064	220MM	64T	TCG	3.2MM	2.2MM	30MM, 2/7/42	10	\$97.40
GTM2503060	250MM	60T	TCG	3.2MM	2.2MM	30MM, 2/7/42	10	\$64.40
GTM2503080	250MM	80T	TCG	3.2MM	2.2MM	30MM, 2/7/42	10	\$81.20
GT1040	10"	40T	TCG	.126"	.087"	5/8"	10	\$60.40
GT1040R	10"	40T	TCG	.126"	.087"	1"	10	\$60.40
GTM1040	10"	40T	TCG	.126"	.087"	5/8"	10	\$72.80
GT1060	10"	60T	TCG	.126"	.087"	5/8"	10	\$58.80
GT1060R	10"	60T	TCG	.126"	.087"	1"	10	\$61.20
GTL1060	10"	60T	TCG	.126"	.087"	5/8"	10	\$75.20
GTM1060	10"	60T	TCG	.126"	.087"	5/8"	10	\$75.20
GT1080	10"	80T	TCG	.126"	.087"	5/8"	10	\$75.00
GT1080R	10"	80T	TCG	.126"	.087"	1"	10	\$78.00
GTL1080	10"	80T	TCG	.126"	.087"	5/8"	10	\$88.40
GTM1080	10"	80T	TCG	.126"	.087"	5/8"	10	\$88.40
LM1080TCG	10"	80T	TCG	.126"	.087"	5/8"	-5	\$104.20
GT1010	10"	100T	TCG	.126"	.087"	5/8"	10	\$147.20
GTM3003072	300MM	72T	TCG	3.2MM	2.2MM	30MM, 2+2 PH	10	\$96.20
GTM3003096	300MM	96T	TCG	3.2MM	2.2MM	30MM, 2+2 PH	10	\$111.20
GT1248	12"	48T	TCG	.134"	.094"	1"	10	\$90.80
GT1260	12"	60T	TCG	.134"	.094"	1"	10	\$78.40
GTM1272	12"	72T	TCG	.134"	.094"	1"	10	\$111.20
GT1280	12"	80T	TCG	.134"	.094"	1"	10	\$97.20
GTM1280	12"	80T	TCG	.134"	.094"	1"	10	\$124.00
GTM1296	12"	96T	TCG	.142"	.102"	1"	10	\$144.60
GTM3503054	350MM	54T	TCG	3.5MM	2.4MM	30MM	10	\$102.20
GTM3503080	350MM	80T	TCG	3.5MM	2.5MM	30MM, 2+2 PH	10	\$144.60
GTM3503096	350MM	96T	TCG	3.5MM	2.5MM	30MM, 2+2 PH	10	\$162.20
GTM1454	14"	54T	TCG	.138"	.094"	1"	10	\$115.20
GT1460	14"	60T	TCG	.157"	.118"	1"	10	\$143.80
GT1480	14"	80T	TCG	.157"	.118"	1"	10	\$161.40
GT1410	14"	100T	TCG	.157"	.118"	1"	10	\$187.40

GENERAL PURPOSE SAWS - TRIPLE CHIP

These saws are designed for high production cutting of natural woods, plywood, chipboard, and MDF. The TCG teeth offer less wear than the ATB with nearly the same quality of cut. Blades designated by the prefix GTM contain Micro-Sheen C-4 sub-micron carbide, which provides for a longer tool life. The blades designated by the prefix GTL have laser cuts in the body to help reduce noise.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
GT1660	16"	60T	TCG	.165"	.126"	1"	10	\$180.80
GT1680	16"	80T	TCG	.165"	.126"	1"	10	\$206.40
GT1610	16"	100T	TCG	.165"	.126"	1"	10	\$239.60
GTM1610*	16"	100T	TCG	.165"	.126"	1"	-5	\$258.40
GT1612*	16"	120T	TCG	.165"	.126"	1"	10	\$239.60
GTM1612	16"	120T	TCG	.165"	.126"	1"	-5	\$260.20
GT1840	18"	40T	TCG	.180"	.134"	1"	10	\$228.60
GT1860	18"	60T	TCG	.180"	.134"	1"	10	\$250.00
GT1880	18"	80T	TCG	.180"	.134"	1"	10	\$272.00
GT1810*	18"	100T	TCG	.180"	.134"	1"	10	\$307.20
GTM1810	18"	100T	TCG	.180"	.134"	1"	-5	\$305.40
GT1812*	18"	120T	TCG	.180"	.134"	1"	10	\$312.00
GTM1812	18"	120T	TCG	.180"	.134"	1"	-5	\$316.80
GT2060	20"	60T	TCG	.180"	.134"	1"	10	\$301.00
GT2080	20"	80T	TCG	.180"	.134"	1"	10	\$308.00
GT2010	20"	100T	TCG	.180"	.134"	1"	10	\$345.20
GT2012	20"	120T	TCG	.180"	.134"	1"	10	\$362.80

*With their negative hook design and with the use of Micro-Sheen sub-micron tips, the GTM1610, GTM1612, GTM1810, GTM1812, and GTM2012N are excellent for cutting counter tops.

STEEL CUTTING SAWS

These steel cutting saws use micro-grain tips with titanium to provide greater impact strength and durability. Can cut through ferrous metal such as angle iron, steel pipe, flat bar, and rebar. Please note maximum RPM varies.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	Max. RPM	PRICE
ST748K	7-1/4"	48T	ST	.087"	.071"	5/8"	0/15	3,500	\$79.80
ST850K	8"	50T	ST	.087"	.071"	5/8"	0/15	3,000	\$86.60
ST950	9"	50T	ST	.094"	.071"	5/8"	0/15	2,900	\$132.80
ST1050	10"	50T	ST	.094"	.071"	5/8"	0/15	2,800	\$132.80
ST1260K	12"	60T	ST	.094"	.079"	1"	0/15	1,800	\$155.00
ST1280K	12"	80T	ST	.094"	.079"	1"	0/15	1,800	\$177.80
ST1472K	14"	72T	ST	.094"	.079"	1"	0/15	1,700	\$177.80
ST1490K	14"	90T	ST	.094"	.079"	1"	0/15	1,700	\$199.20

TRIM SAWS

Trim saw blades are designed with a higher number of teeth to keep a fine cut on the finish side of your material.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
TS972	9"	72T	ATB	.118"	.079"	5/8"	10	\$92.80
TS1210	12"	100T	ATB	.126"	.087"	1"	10	\$132.80
TS1480	14"	80T	ATB	.126"	.087"	1"	10	\$143.80
TS1410126	14"	100T	ATB	.126"	.087"	1"	10	\$169.80
TS1410138	14"	100T	ATB	.138"	.094"	1"	10	\$196.40
TS1412	14"	120T	ATB	.126"	.087"	1"	10	\$178.80
TS1510	15"	100T	ATB	.138"	.094"	1"	10	\$194.40
TS1680	16"	80T	ATB	.138"	.094"	1"	10	\$164.80
TS1610	16"	100T	ATB	.138"	.094"	1"	10	\$203.20
TS1612	16"	120T	ATB	.138"	.094"	1"	10	\$210.20
TS1880	18"	80T	ATB	.157"	.118"	1"	10	\$208.20
TS1810	18"	100T	ATB	.157"	.118"	1"	10	\$225.80
TS1812	18"	120T	ATB	.157"	.118"	1"	10	\$248.20

PRECISION TRIM SAWS

The precision trim saw has teeth which are beveled on the face and the top. This improvement on the standard ATB design gives an extra fine cutting edge. The raker tooth cleans away any stray saw dust so the teeth cut with perfect smoothness. This is the smoothest cutting blade you will find! Add stabilizers to get real fine cuts.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	FACE BEVEL	PRICE
PT1080	10"	80T	LRLRS	.126"	.087"	5/8"	10	10	\$119.80
PT1010	10"	100T	LRLRS	.118"	.087"	5/8"	10	10	\$156.60
PT1210	12"	100T	LRLRS	.126"	.087"	1"	10	10	\$158.40
PT1212P	12"	120T	LRLRS	.118"	.087"	5/8"	10	10	\$178.80
PT1212	12"	120T	LRLRS	.118"	.087"	1"	10	10	\$178.80
PT1410	14"	100T	LRLRS	.126"	.095"	1"	10	10	\$178.80
PT1412	14"	120T	LRLRS	.126"	.095"	1"	10	10	\$182.40
PT1612157	16"	120T	LRLRS	.157"	.118"	1"	10	5	\$224.00
PT1810	18"	100T	LRLRS	.157"	.118"	1"	10	5	\$233.60
PT1812	18"	120T	LRLRS	.157"	.118"	1"	10	5	\$258.40

PROFESSIONAL SERIES

Professional series blades are designed with contractors in mind. The PR724 & PR740 include a diamond knockout and anti-kickback design.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	PRICE
PR624	6 1/2"	274T	ATB	.079"	.051"	5/8"	\$12.80
PR724	7-1/4"	24T	ATB	.087"	.051"	5/8"	\$8.00
PR740	7-1/4"	40T	ATB	.087"	.051"	5/8"	\$16.80
PR840HD	8"	40T	ATB	.102"	.063"	5/8"	\$46.60
PR840LW	8"	40T	ATB	.122"	.079"	5/8"	\$50.20
PR1024F	10"	24T	FTG	.110"	.079"	5/8"	\$29.80
PR1036	10"	36T	ATB	.102"	.067"	5/8"	\$34.40
PR1050	10"	50T	ATB+R	.110"	.078"	5/8"	\$41.60
PR1060	10"	60T	ATB	.110"	.078"	5/8"	\$45.40
PR1080KB	10"	80T	LRLRS	.098"	.059"	5/8"	\$63.00
PR1240	12"	40T	ATB	.118"	.079"	1"	\$63.00
PR1272	12"	72T	ATB	.110"	.078"	1"	\$66.00
PR1296	12"	96T	ATB	.110"	.078"	1"	\$76.80

RIP AND GANG SAWS - FTG/TCG

These saws are designed for ripping soft or hard woods where chiseling action of FTG is effective.
FTG grind is the fastest, most efficient tooth design for ripping; 20 degree hook angle for all Rip Saws.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	PRICE
RF824	8"	24T	FTG	.118"	.087"	5/8"	\$62.20
RF924	9"	24T	FTG	.126"	.087"	5/8"	\$68.80
RF101	10"	10T	FTG	.145"	.102"	5/8"	\$55.00
RF1024126	10"	24T	FTG	.126"	.087"	5/8"	\$64.40
RF1024145	10"	24T	FTG	.145"	.102"	5/8"	\$72.60
RF1024K	10"	24T	FTG	.126"	.087"	70MM, 2 key*	\$72.60
RF1030	10"	30T	FTG	.160"	.118"	5/8"	\$97.40
RF1040	10"	40T	FTG	.126"	.087"	5/8"	\$81.80
RSLH10403	10"	40T	TCG	.126"	.087"	3"***	\$88.40
RSLH10404	10"	40T	TCG	.126"	.087"	4-3/16"***	\$84.80
RFRM30028	300MM	28T	FTG	3.4MM	2.4MM	80MM, 2 key****	\$105.00
RF1224126	12"	24T	FTG	.126"	.087"	1"	\$78.00
RF1224134	12"	24T	FTG	.134"	.094"	1"	\$84.60
RF1224160	12"	24T	FTG	.160"	.110"	1"	\$90.80
RF1224185	12"	24T	FTG	.185"	.126"	1"	\$93.60
RF1224K	12"	24T	FTG	.126"	.087"	70MM, 2 key*	\$75.00
RF1224K160	12"	24T	FTG	.160"	.110"	70MM, 2 key*	\$93.60
RF1230	12"	30T	FTG	.134"	.094"	1"	\$103.00
RF1230160	12"	30T	FTG	.165"	.118"	1"	\$118.60
RF1230K	12"	30T	FTG	.165"	.118"	70MM, 2 key*	\$118.60
RF1236134	12"	36T	FTG	.134"	.094"	1"	\$111.20
RF1236K	12"	36T	FTG	.165"	.118"	70MM, 2 key*	\$121.80
RSM1224126	12"	24T	FTG	.126"	.087"	3-1/8", (1)1/4" key	\$80.80
RSM1236F	12"	36T	FTG	.126"	.087"	3-1/8", (1)1/4" key	\$98.40
RSM1236TA	12"	36T	TCG	.126"	.087"	3-1/8", (1)1/4" key	\$108.40
RSM1236TB	12"	36T	TCG	.165"	.118"	3-1/8", (1)1/4" key	\$128.80
RF1424	14"	24T	FTG	.142"	.102"	1"	\$145.80
RF1424170	14"	24T	FTG	.170"	.118"	1"	\$156.60
RF1424194	14"	24T	FTG	.194"	.134"	1"	\$156.60
RF1424K	14"	24T	FTG	.142"	.102"	70MM, 2 key*	\$153.00
RSM1424T	14"	24T	FTG	.177"	.134"	3-1/8", (1)1/4" Key	\$157.40
RF1430	14"	30T	FTG	.165"	.118"	1"	\$161.40
RF1436	14"	36T	FTG	.165"	.118"	1"	\$169.80
RF1436K	14"	36T	FTG	.142"	.102"	70MM, 2 key*	\$169.80
RF1440	14"	40T	FTG	.170"	.118"	1"	\$182.40
RF1624	16"	24T	FTG	.173"	.126"	1"	\$163.20
RF1636	16"	36T	FTG	.173"	.126"	1"	\$180.80
RF1840	18"	40T	FTG	.185"	.134"	1"	\$208.20
RF2040	20"	40T	FTG	.185"	.134"	1"	\$227.00

*10", 12" & 14" - 70mm bores have two 20mm x 5mm keyways for SCM Rip Saws.

**RSLH comes in 3" or 4-3/16" arbors with 3 pinholes. Fits Lauderdale Hamilton Rip Saw.

***Multi-Score Rip Saw, Split body, sold as a pair.

****For Raimann Rip Saw with 4 small 7 mm pins & 2 large 14mm pins, plus 2 key ways.

RIP & GANG SAWS - ATB

Designed for ripping soft or hard woods where a strong grain pattern can cause saw to drift and follow grain. ATB design helps to maintain direction and provide a clean, straight cut. These can be bored out to fit most gang rip saws. Call Ballew Saw at 800-288-7483 for more information.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
RS72524	7-1/4"	24T	ATB	.110"	.079"	5/8"	20	\$65.00
RS824	8"	24T	ATB	.118"	.079"	5/8"	20	\$67.80
RS85024	8-1/2"	24T	ATB	.118"	.087"	5/8"	20	\$71.60
RS1024	10"	24T	ATB	.126"	.087"	5/8"	20	\$67.00
RS1030	10"	30T	ATB	.134"	.094"	5/8"	20	\$79.80
RS1224	12"	24T	ATB	.134"	.094"	1"	20	\$76.00
RS1224K	12"	24T	ATB	.134"	.094"	70MM, 2 key*	20	\$78.00
RS1236	12"	36T	ATB	.126"	.087"	1"	20	\$95.40
RS1236134	12"	36T	ATB	.134"	.094"	1"	20	\$115.20

*RS1224K- 70mm bores have two 20mm x 5mm keyways for SCM Rip Saws.

GLUE JOINT RIP SAWS

Designed for operations requiring an extra smooth cut, such as solid wood pieces that will be glued together. Use these blades for rip cuts only. Glue joint rip saws can be bored out to fit most gang rip saws. Call Ballew Saw at 800-288-7483 for more information.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
GJ1030125	10"	30T	TCG	.125"	.087"	5/8"	20	\$83.40
GJ1030125K	10"	30T	TCG	0.13	0.09	70MM, 2 key	20	\$98.40
GJ1030	10"	30T	TCG	.145"	.102"	5/8"	20	\$119.20
GJ1040	10"	40T	ATB	.126"	.087"	5/8"	20	\$95.40
GJRM30036	300MM	36T	TCG	4.2MM	3.2MM	****80MM, 2 key	20	\$130.60
GJRM3004828H	300MM	48T	TCG	2.8MM	2.0MM	****80MM, 2 key*	20	\$145.60
GJ1236	12"	36T	TCG	.165"	.118"	1"	20	\$121.80
GJ1236K	12"	36T	TCG	.165"	.118"	70MM, 2 key	20	\$126.80
GJM1236157*	12"	36T	TCG	.165"	.118"	3-1/8"	20	\$135.40
GJ1248ATB	12"	48T	ATB	.157"	.118"	1"	20	\$163.20
GJL1250	12"	50T	LRLRS	.134"	.094"	1"	20	\$161.40
GJ1436177	14"	36T	TCG	.177"	.138"	1"	20	\$158.20
GJ1436DA**	14"	36T	ATB	.177"	.138"	2", 2 PH	20	\$158.20
GJ1436DT*	14"	36T	TCG	.177"	.138"	2", 2 PH	20	\$158.20
GJM1436T**	14"	36T	TCG	.177"	.138"	3-1/8"	20	\$158.20
GJ1636**	16"	36T	TCG	.177"	.138"	2", 2 PH	20	\$174.20
GJ1636R	16"	36T	TCG	.177"	.138"	1"	20	\$152.20
GJ1650	16"	50T	TCG	.197"	.138"	1"	20	\$228.80
GJ1848**	18"	48T	TCG	.180"	.138"	2", 2 PH	20	\$225.80

*Designed for Mereen-Johnson rip saws with 3-1/8" arbor and with one 1/4" keyway. **Specially designed for cutting with Diehl saws, (2) 9/16" pinholes at 5" bolt circle. ***For Raimann Rip Saw with 4 small 7 mm pins & 2 large 14mm pins, plus 2 keyways.

MULTI-SCORE SPLIT SAWS

These blades are used in Multiscore rip applications, with 3 mounting holes on each half.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
RSMS860	8"	60T	ATB+R	.148"	.087"	4-5/16"	0	\$147.20
RSMS1040T	10"	40T	TCG	.126"	.087"	4-5/16"	5	\$97.40
RSMS1060T	10"	60T	TCG	.126"	.087"	4-5/16"	5	\$100.20
RSMS1080HA	10"	80T	HATB	.126"	.087"	4-5/16"	0	\$144.60
RSMS1260T	12"	60T	TCG	.126"	.087"	4-5/16"	5	\$119.80
RSMS1480A	14"	80T	ATB	.150"	.110"	4-5/16"	5	\$188.60

THIN SAWS

Thin saws keep material waste to a minimum and require less horsepower to cut the material efficiently.
Use these in place of standard kerf blades.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
TH860T	8"	60T	TCG	.080"	.055"	5/8"	15	\$99.00
TH82524	8-1/4"	24T	ATB	.080"	.055"	5/8"	15	\$77.00
TH82540	8-1/4"	40T	ATB	.080"	.055"	5/8"	15	\$82.60
TH82560A	8-1/4"	60T	ATB	.080"	.055"	5/8"	15	\$99.20
TH85040	8-1/2"	40T	ATB	.080"	.055"	5/8"	15	\$87.20
TH8506080	8-1/2"	60T	ATB	.080"	.055"	5/8"	15	\$104.60
TH85060T	8-1/2"	60T	TCG	.102"	.071"	5/8"	15	\$106.40
TH104080	10"	40T	ATB	.080"	.055"	5/8"	15	\$87.20
TH104095	10"	40T	ATB	.095"	.063"	5/8"	15	\$83.40
RATH106080	10"	60T	ATB	.080"	.060"	5/8"	-2	\$98.40
TH106080	10"	60T	ATB	.080"	.060"	5/8"	15	\$95.40
TH106095	10"	60T	ATB	.095"	.063"	5/8"	15	\$99.00
TH106095T	10"	60T	TCG	.095"	.063"	5/8"	15	\$99.00
TH108080	10"	80T	ATB	.080"	.055"	5/8"	15	\$118.20
TH108095A	10"	80T	ATB	.095"	.063"	5/8"	15	\$122.00
TH108095T	10"	80T	TCG	.095"	.063"	5/8"	15	\$122.00
TH1260	12"	60T	ATB	.110"	.079"	1"	15	\$127.40
RATH1280A	12"	80T	ATB	.110"	.079"	1"	-5	\$96.80
RATH1280T	12"	80T	TCG	.110"	.079"	1"	-5	\$100.80
TH1280	12"	80T	ATB	.110"	.079"	1"	15	\$133.00
TH1280T	12"	80T	TCG	.110"	.079"	1"	15	\$133.00
TH1210A	12"	100T	ATB	.102"	.071"	1"	15	\$170.40
TH1210T	12"	100T	TCG	.102"	.071"	1"	15	\$175.80

ULTRA THIN SAWS

Designed for cutting very soft, thin, expensive material, allowing for very little waste. Not for cutting hardwoods.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
UT72580	7-1/4"	80T	ATB	.055"	.039"	5/8"	15	\$149.40
UT880	8"	80T	ATB	.055"	.039"	5/8"	15	\$152.20
UT1010	10"	100T	ATB	.071"	.047"	5/8"	15	\$166.80
UT1210	12"	100T	ATB	.080"	.055"	1"	15	\$174.20

THIN RIM SAWS

For cutting fine, fragile and thin-walled material. Thin kerf helps reduce chipping in cutting very thin material.
Automatically brazed premium grade carbide tips also help increase the life of this saw blade.

PART	DIA	TEETH	DESIGN	KERF	PLATE	HUB	BORE	PRICE
TM1080	10"	80T	TCG	2.0MM	1.5MM	2.0MM	5/8"	\$226.20
TM1210	12"	100T	TCG	2.2MM	1.6MM	2.2MM	1"	\$260.20

DOOR JAMB SAWS

This blade is designed for jamb saws to cut doorjamb when installing carpet or tile. The blades feature a tapered bore with 2 pinholes.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	PRICE
PT265040	6 1/2"	40T	TCG	.118"	.079"	1/2"	\$61.20

MITRE & DOUBLE MITRE SAWS

MS and MD series saws are designed for mitre saw machines to cut molding or picture frame material. Saws with CTC (California Triple Chip) design are made to cut any wood or light metal without changing blades for different materials.

For heavy aluminum or when only cutting non-ferrous metals see page 196

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
MD860	8"	60T	ATB+R	.112"	.079"	5/8"	-2	\$88.40
MD85040	8-1/2"	40T	ATB+R	.102"	.071"	5/8"	-2	\$100.20
MD960	9"	60T	ATB+R	.112"	.087"	5/8"	0	\$119.80
MD1080	10"	80T	ATB+R	.118"	.094"	5/8"	-2	\$135.40
MDC1090	10"	90T	CTC	.126"	.098"	5/8"	-2	\$185.60
MD1010	10"	100T	ATB+R	.118"	.094"	5/8"	-2	\$148.20
FS26080*	260MM	80T	ATB+R	2.5MM	1.7MM	30MM	-2	\$112.60
MD27580	275MM	80T	ATB	3.2MM	2.4MM	32MM	0	\$158.20
MD275100	275MM	100T	ATB+R	3.0MM	2.4MM	32MM	0	\$175.80
MD1280ATB	12"	80T	ATB	.126"	.102"	5/8"	-2	\$164.80
MD1280P	12"	80T	ATB+R	.126"	.102"	5/8"	-2	\$164.80
MD1280R	12"	80T	ATB+R	.126"	.102"	1"	-2	\$164.80
MDC1296	12"	96T	CTC	.134"	.110"	5/8"	-2	\$211.00
MD1210P	12"	100T	ATB+R	.126"	.102"	5/8"	-2	\$187.40
MD1210R	12"	100T	ATB+R	.126"	.102"	1"	-2	\$187.40
MS-050	12"	100T	LRLRS	.126"	.094"	1"	0	\$163.20
MD1390	13"	90T	ATB+R	.145"	.118"	1"	2	\$208.20
MD3503010T	350MM	100T	TCG	3.5MM	2.8MM	30MM	-2	\$211.00
MD3503010G	350MM	100T	ATB+R	4.2MM	2.8MM	30MM	-2	\$211.00
MD1480P	14"	80T	ATB+R	.134"	.110"	5/8"	-2	\$199.20
MD1480R	14"	80T	ATB+R	.134"	.110"	1"	-2	\$199.20
MD1410P	14"	100T	ATB+R	.134"	.110"	5/8"	-2	\$210.20
MD1410R	14"	100T	ATB+R	.134"	.110"	1"	-2	\$210.20
MS1510	15"	100T	ATB+R	.138"	.098"	1"	-2	\$210.20

10" and 12" mitre saw blades have 4 laser slots in the plate for vibration and noise control.

In addition, the chromed body makes cleaning easy and rust free.

*FS26080 is designed for the FesTool mitre saw

SOLID SURFACE SAWS

Designed for cutting Corian, Avonite, Fountainhead, Surell, and similar materials. Our special sub-micron carbide will outlast any conventional carbide, delivering a much better cut over a longer life. Also good for cutting thick plastics.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
SF860	8"	60T	MTCG	.118"	.079"	5/8"	0	\$97.40
SF22064	220MM	64T	MTCG	3.2MM	2.0MM	30MM, 2/7/42	-2	\$100.20
SF2503072	250MM	72T	MTCG	3.2MM	2.0MM	30MM, 2/7/42	-2	\$104.20
SF1060	10"	60T	MTCG	.126"	.087"	5/8"	0	\$88.40
SF1072	10"	72T	MTCG	.126"	.087"	5/8"	0	\$106.00
SF1080	10"	80T	MTCG	.126"	.087"	5/8"	10	\$114.40
SF30080	300MM	80T	MTCG	3.4MM	2.4MM	30MM, 2 +2 PH	-2	\$147.20
SF1280	12"	80T	MTCG	.135"	.094"	1"	0	\$144.60
SF1410	14"	100T	MTCG	.150"	.110"	1"	0	\$194.40
SF1612	16"	120T	MTCG	.165"	.118"	1"	0	\$250.00

CHOP SAWS & RADIAL ARM SAWS

These saws provide excellent crosscuts on all materials, similar to the general purpose saw but with a negative hook angle to prevent grabbing

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
RA85060	8 ½"	60T	ATB	.102"	.071"	5/8"	-5	\$90.80
RA1040A	10"	40T	ATB	.126"	.087"	5/8"	-5	\$72.80
RA1040T	10"	40T	TCG	.126"	.087"	5/8"	-5	\$76.00
RATH1060800	10"	60T	ATB	.080"	.060"	5/8"	-2	\$98.40
RA1060A	10"	60T	ATB	.126"	.087"	5/8"	-5	\$70.80
RA1060T	10"	60T	TCG	.126"	.087"	5/8"	-5	\$70.80
RA1240A	12"	40T	ATB	.126"	.087"	1"	-5	\$76.00
RA1260A58	12"	60T	ATB	.126"	.087"	5/8"	-5	\$88.40
RA1260A	12"	60T	ATB	.126"	.087"	1"	-5	\$88.40
RA1260T	12"	60T	TCG	.126"	.087"	1"	-5	\$88.40
RATH1280A	12"	80T	ATB	.110"	.079"	1"	-5	\$96.80
RATH1280T	12"	80T	TCG	.110"	.079"	1"	-5	\$100.20
RA1280A	12"	80T	ATB	.126"	.087"	1"	-5	\$119.80
RA1280T	12"	80T	TCG	.126"	.087"	1"	-5	\$119.80
RA1440	14"	40T	ATB	.160"	.120"	1"	0	\$187.40
GA1440	14"	40T	ATB	.184"	.134"	1"	0	\$187.40
RA1460A	14"	60T	ATB	.160"	.118"	1"	0	\$152.20
RA1640	16"	40T	ATB	.165"	.126"	1"	-2	\$199.20
RA1660	16"	60T	ATB	.165"	.126"	1"	-2	\$204.00
RA4503540	450MM	40T	ATB	4.7MM	3.4MM	35MM	15	\$232.60
RA4503560	450MM	60T	ATB	4.7MM	3.4MM	35MM	15	\$248.20
RA1860	18"	60T	ATB	.189"	.134"	1"	-5	\$225.80
RA1880	18"	80T	ATB	.189"	.134"	1"	-5	\$252.20

THIN SAWS FOR MOULDING

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
ML730TR	7"	30T	FTG	.063"	.043"	1-13/16"	20	\$86.60
ML840TR	8"	40T	FTG	.063"	.043"	2-13/16"	20	\$95.40
ML85040TR	8-1/2"	40T	FTG	.063"	.043"	2-13/16"	20	\$109.40
ML85040TR-T	8-1/2"	40T	TCG	.063"	.043"	2-13/16"	20	\$109.40
ML940TR	9"	40T	TCG	.063"	.043"	2-13/16"	20	\$96.40
ML1036TR	10"	36T	TCG	.087"	.059"	2-13/16"	20	\$88.40

BLIND CUTTING SAWS

For cutting faux wood window blinds, these saw blades are designed to reduce chipping and to avoid melting on the material. With thinner plate, a sharper tooth angle, and one side clearance ground, this is a completely new tool for window blind fabricators.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	FACE BVL	PRICE
LTL670	6"	70T	LR	.071"	.043"	5/8"	15	10	\$132.80
NM880	205MM	80T	LRLRS	2.2MM	1.5MM	5/8"	10	15	\$128.80
PR1080KB	10"	80T	LRLRS	.098"	.059"	5/8"	10	5	\$63.00
KC1010	10"	100T	LRLRS	.095"	.063"	5/8"	10	10	\$165.80
KC1212	12"	120T	LRLRS	.095"	.063"	1"	10	10	\$188.60
KC1412	14"	120T	LRLRS	.126"	.094"	1"	10	10	\$206.40
KC1414	14"	140T	LRLRS	.102"	.063"	1"	10	10	\$210.20

MELAMINE SAWS

A higher angle on the top bevel(+30°) gives an extra sharp shearing action to slice through single or doublesided laminates without chipping.
Good for laminates, melamine, coreboard and other composite materials. Made with Micro-Sheen C-4 sub-micron carbide for an extended life.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
LM18036HF	180MM	36T	HF	2.9MM	2.0MM	30MM	-5	\$111.20
LM864	8"	64T	HATB	.118"	.079"	5/8"	-5	\$89.80
LMH22042*	220MM	42T	HF	3.2MM	2.2MM	30MM, 2/7/42	10	\$124.00
LM22064	220MM	64T	HATB	3.0MM	2.2MM	30MM, 2/7/42	-5	\$122.40
LM2503080*	250MM	80T	HATB	3.2MM	2.2MM	30MM, 2/7/42	-5	\$95.40
LM1048HF	10"	48T	HF	.126"	.087"	5/8"	10	\$95.40
LM1080X	10"	80T	HATB	.102" max. cut 1"	.071"	5/8"	0	\$104.20
LM1080	10"	80T	HATB	.126"	.087"	5/8"	-5	\$89.80
LM1080TCG	10"	80T	TCG	.126"	.087"	5/8"	-5	\$104.20
LMH30060	300MM	60T	HF	3.2MM	2.2MM	30MM, 2 +2 PH	10	\$152.20
LM30080*	300MM	80T	HATB	3.2MM	2.2MM	30MM, 2 +2 PH	-5	\$147.20
LM30010*	300MM	100T	HATB	3.2MM	2.2MM	30MM, 2 +2 PH	-5	\$161.40
LM1280	12"	80T	HATB	.134"	.094"	1"	-5	\$145.60
LM1210	12"	100T	HATB	.134"	.094"	1"	-5	\$163.20
LM3503096	350MM	96T	HATB	3.6MM	2.8MM	30MM, 2+2 PH	-5	\$185.60
LM1410	14"	100T	HATB	.142"	.110"	1"	-5	\$189.80
LM1610	16"	100T	HATB	.158"	.118"	1"	-5	\$196.40

*For use on Holz-Her or Striebig vertical panel saw.

** Hollow Face Grind.

** Hollow Face Pinholes on 220mm are 2/7/42mm & on 300mm are 2/7/42 + 2/10/60mm

TREE TRIMMING SAWS

These blades have no expansion slots and are designed specially for tree trimming machines.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
JARF2060X	20"	60T	ATB	.235"	.150"	1-1/2"	10	\$333.40
TREE2460X	24"	60T	ATB	.245"	.165"	1-1/2"	10	\$419.20
TREE2472X	24"	72T	ATB	.245"	.165"	1-1/2"	10	\$426.60
TREE2472X8	24"	72T	ATB	.260"	.180"	1-1/2"	10	\$439.80
TREE2472X840	24"	72T	ATB	.260"	.180"	1-1/2"	10	\$439.80
KSW2080	20"	80T	ATB	.209"	.150"	1"	10	\$324.00
*KSW2472	24"	72T	ATB	.260"	.180"	1-1/2"	10	\$439.80
**ROW2472X	24"	72T	ATB	.245"	.165"	1-1/2"	10	\$284.80
**ROW2472X8	24"	72T	ATB	.260"	.180"	1-1/2"	10	\$308.80

*This blade has copper plugged expansion slots

**NEW German saw body with slightly smaller carbide tip than TREE blades with same great performance

GROOVERS

Ideal for producing grooves in both hard or softwoods. Bores can be rebored to fit other sizes.

PART	DIA	TEETH	KERF	PLATE	BORE	HOOK	PRICE
GV20030ABF	200MM	30T	5.5MM	4.0MM	5/8"	-2	\$208.20
GV830ABF	8"	30T	.260"	.180"	5/8"	-2	\$208.20
GV830ABF516	8"	30T	.327"	.180"	5/8"	-2	\$212.20
GV1030ABF	10"	30T	.260"	.180"	5/8"	-2	\$232.60
GV1060HATB	10"	60T	.187"	.126"	5/8"	-5	\$176.80

DADO SETS

These sets come with chipper blades for a total of 13/16" width, giving you super smooth, splinter free cuts. This is the highest quality industrial grade dado set you will ever use. Each set packaged securely in a wooden case. Each set has been tested before shipping to ensure smooth cut.

PART	DIA	TEETH	HOOK	BORE	PRICE
DA620	6"	20T / 4T chipper	20	5/8"	\$222.00
DA824	8"	24T / 2T chipper	20	5/8"	\$211.00
DA840	8"	40T / 8T chipper	20	5/8"	\$365.80
DA840N	8"	40T / 8T chipper	-2	5/8"	\$365.80
DA840G	8"	40T / 8T chipper	20	1"	\$365.80
DA104058	10"	40T / 8T chipper	20	5/8"	\$441.60
DA1040	10"	40T / 8T chipper	20	1"	\$441.60
DA1040N	10"	40T / 8T chipper	-2	1"	\$441.60
DA1240	12"	40T / 8T chipper	20	1"	\$487.60
DA1240N	12"	40T / 8T chipper	-2	1"	\$487.60

ADDITIONAL CHIPPERS FOR DADO SETS

PART	DIA	TEETH	PLATE	BORE	PRICE
CFP88116	8"	8T	1/16"	5/8"	\$55.00
CFP88332	8"	8T	3/32"	5/8"	\$55.00
CFP8818	8"	8T	1/8"	5/8"	\$55.00
CFP108116	10"	8T	1/16"	5/8", 1"	\$67.00
CFP108332	10"	8T	3/32"	5/8", 1"	\$67.00
CFP10818	10"	8T	1/8"	5/8", 1"	\$67.00
CFP12818	12"	8T	1/8"	1"	\$67.00
CFP128116	12"	8T	1/16"	1"	\$67.00

DADO OUTER BLADES

PART	SIDE	DIA	TEETH	KERF/PLATE	BORE	HOOK	PRICE
CFP840LHNCFP840RHN	LEFT RIGHT	8"	40T	.126" / .098"	5/8"	-2	\$69.80
CFP840LH CFP840RH	LEFT RIGHT	8"	40T	.126" / .098"	5/8"	20	\$69.80
CFP104058LH CFP104058RH	LEFT RIGHT	10"	40T	.126" / .098"	5/8"	20	\$58.40
CFP1040LHN CFP1040RHN	LEFT RIGHT	10"	40T	.126" / .098"	1"	-2	\$58.40
CFP1040LH CFP1040RH	LEFT RIGHT	10"	40T	.126" / .098"	1"	20	\$58.40
CFP1240LHN CFP1240RHN	LEFT RIGHT	12"	40T	.126" / .098"	1"	-2	\$71.60
CFP1240LH CFP1240RH	LEFT RIGHT	12"	40T	.126" / .098"	1"	20	\$71.60

POPULAR PLASTICS CUTTING - DOUBLE CUT-OFF - HARDIPLANK - STABILIZERS

PLASTICS CUTTING SAWS

Designed for cutting plastic or vinyl sheets, moldings or extrusions. Maximum cutting thickness of 10mm (3/8"). For cutting thicker plastics, we recommend a TCG grind such as the GT Series. These plastic cutting saws are specially designed to work well on thin sheets of acrylic material. Use stabilizers to get the best results.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
PP810	8"	100T	LR	.087"	.063"	5/8"	10	\$139.80
PP1010	10"	100T	LR	.087"	.063"	5/8"	10	\$158.20
PP1210	12"	100T	LR	.102"	.075"	1"	10	\$172.20
PP1212	12"	120T	LR	.102"	.075"	1"	10	\$205.40
PP1410	14"	100T	LRLRS	.118"	.087"	1"	20	\$186.40
PP1412	14"	120T	LR	.118"	.087"	1"	10	\$201.20
PP1614	16"	140T	LR	.126"	.094"	1"	10	\$224.00
PP1816	18"	160T	LR	.126"	.094"	1"	10	\$256.40
PP2018	20"	180T	LR	.126"	.094"	1"	10	\$322.20

DOUBLE CUT OFF SAWS

Double cut off saws are designed for panel sizing double end machines. Used in pairs with one right (3L1R) and one left (3R1L). Our DC saws use Micro-Sheen C-4 submicron carbide, which provides better resistance to corrosion, gives longer tool life, and extended use before sharpening.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
DC1280L	12"	80T	3L1R	.165"	.118"	1-1/4"	15	\$174.20
DC1280R	12"	80T	3R1L	.165"	.118"	1-1/4"	15	\$174.20

STABILIZERS

Stabilizers keep saw blades staying straight when cutting, increasing cutting accuracy, and extending life of saw blades.

PART	DIA	THICKNESS	BORE	PRICE
STAB4	4"	.125"	5/8"	\$18.60
STAB6	6"	.125"	1"	\$18.60

HARDIPLANK POLYCRYSTALLINE DIAMOND SERIES

Our PCD saw blades are designed to cut faster, cleaner, and will last 150 times longer in cutting cement board like Hardiplank®. PCD blades are not intended to cut through nail or staples. 10" and 12" PCD blades with higher number of teeth are introduced for cutting composite materials, such as phonelic with aluminum oxide coating, fiberglass panels, and flooring material coated with aluminum oxide.

PART	DIA	TEETH	KERF	PLATE	BORE	PRICE
PRD160204**	160MM	4T	2.2	1.6	20MM	\$67.00
PRD74	7-1/4"	4T	.087"	.063"	5/8"	\$71.60
PRD86	8"	6T	.087"	.063"	5/8"	\$102.20
PRD106	10"	6T	.094"	.071"	5/8"	\$105.00
PRD10630	10"	6T	.094"	.071"	30MM	\$105.00
PRD1018*	10"	18T	.110"	.079"	5/8"	\$305.40
PRD103032*	10"	30T	.110"	.087"	5/8"	\$599.40
PCD104030*	10"	40T	.118"	.087"	5/8"	\$846.60
PRD128	12"	8T	.087"	.063"	1"	\$135.40
PRD1212	12"	12T	.087"	.063"	1"	\$204.00
PCD124832*	12"	48T	.126"	.094"	1"	\$886.20
PRD1412	14"	12T	.150"	.125"	1-1/8"	\$224.00

*These blades are good for cutting fiberglass materials.

**This blade designed for the FesTool® Plunge Cut Saw

LUCAS SAWS

Five toothed thin kerf blade for the Lucas portable Mill. Mills the face of a board and trims the edge on the return trip all in one pass.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	PRICE
LUCAS424	424MM	5T	FTG	5.0MM	2.8MM	20MM, 4+5 PINS	\$205.40
LUCAS546	546MM	5T	FTG	5.7MM	3.2MM	30MM, 5+5 PINS	\$209.80
LUCAS634	634MM	5T	FTG	6.1MM	3.6MM	30MM, 5+5 PINS	\$264.00

STROB SAWS - FTG

These strob blades are made for durability and are great for cutting wet lumber. Great for pallet building applications.

PART	DIA	TEETH	KERF	PLATE	BORE	MACHINE	PRICE
U896PNT2	8"	9T	.157"	.096"	2-3/8", 3/8" KEY	Pendu	\$47.40
U1083BRT2	10"	10T	.143"	.083"	2-15/16", 3 KEYS	Brewer	\$52.20
U1083PNT2	10"	10T	.143"	.083"	2-3/8", 3/8" KEY	Pendu	\$52.20
U1096PNT2	10"	10T	.157"	.096"	2-3/8", 3/8" KEY	Pendu	\$56.80
U10110T2	10"	10T	.170"	.110"	1"	Various	\$59.20
U10110PNT2	10"	10T	.170"	.110"	2-3/8", 3/8" KEY	Pendu	\$59.20
U1296T2	12"	12T	.157"	.096"	1"	Various	\$59.20
U1296HRT2	12"	12T	.157"	.096"	2", 1/4" KEY	Hazelthorn	\$59.20
U1283PNT2	12"	12T	.143"	.083"	2-3/8", 3/8" KEY	Pendu	\$56.80
U1296PNT2	12"	12T	.157"	.096"	2-3/8", 3/8" KEY	Pendu	\$59.20
U12110T2	12"	12T	.170"	.110"	1"	Various	\$68.80
U12110PNT2	12"	12T	.170"	.110"	2-3/8", 3/8" KEY	Pendu	\$68.80
U12110BRT2	12"	12T	.170"	.110"	2-15/16", 3 KEYS	Brewer	\$68.80
U121283BRT2	12"	12T	.143"	.083"	2-15/16", 3 KEYS	Brewer	\$56.80
U121296BRT2	12"	12T	.157"	.096"	2-15/16", 3 KEYS	Brewer	\$59.20
U131496T2	13"	14T	.157"	.096"	1"	Various	\$75.20
U131496BRT2	13"	14T	.157"	.096"	2-15/16", 3 KEYS	Brewer	\$75.20
U1414110BRHFT2	14"	14T	.170"	.110"	2-1/2", 3 KEYS	Brewer	\$84.60
U1414110BR15T2	14"	14T	.170"	.110"	2-15/16", 3 KEYS	Brewer	\$84.60
U14120T2	14"	14T	.189"	.120"	1"	Various	\$90.80
U14120PNT2	14"	14T	.189"	.120"	2-3/8", 3/8" KEY	Pendu	\$90.80
U14120PNNK	14"	14T	.189"	.120"	2-3/8", NO KEY	Various	\$90.80
U141683CNT2	14"	16T	.143"	.083"	4", 1/2" PINHOLE	Cornell	\$75.20
U141695CN	14"	16T	.143"	.095"	4", 1/2" PINHOLE	Cornell	\$81.60
U1416110CNT2	14"	16T	.170"	.110"	4", 1/2" PINHOLE	Cornell	\$86.60
U1416120CNT2	14"	16T	.189"	.120"	4", 1/2" PINHOLE	Cornell	\$90.80
U1616134T2	16"	16T	.204"	.134"	1"	Various	\$98.40
U1616134BRT2	16"	16T	.204"	.134"	2-1/2", 3 KEYS	Brewer	\$98.40
U22165C2*	22"	22T	.235"	.165"	1"	Various	\$305.00

*U22165 has 6 strobs; 2 from the gullet and 4 in the body

TRUSS & COMPONENT SAWS

Popular truss blades are manufactured with a thicker plate for smoother and straighter cuts every time. These blades come with standard tapered mounting holes to fit 5/16" bolt with 82 degree tapering, except TRDS1640, TRDS2260N, and TRK1740N which fits a 1/4" bolt.

Size of mounting holes may vary on the open side due to the thickness of saw plates. All truss blades have 10 degree hook angle.

PART	DIA	TEETH	TIP	KERF	PLATE	BORE	MTG HOLES	BOLT CIRCLE	MACHINE	PRICE
TRMK1650	16"	50T	TCG	.202"	.150"	1-1/8"	3R,3L	6"	Mitek	\$298.40
TRK1740N	17"	40T	ATB	.189"	.150"	50MM	6 all Right	64MM	Mitek	\$310.20
TRMK2060	20"	60T	TCG	.202"	.150"	1-1/8"	3R,3L	6"	Mitek	\$417.20
TRMK3280	32"	80T	TCG	.260"	.200"	1-3/8"	6 all Left	6"	Mitek	\$980.60
TRMK3280R6	32"	80T	TCG	.260"	.200"	1-3/8"	6 all Right	6"	Mitek	\$980.60
TRMK2080HS	20"	80T	ATB	.180"	.134"	1-1/4"	4/.406"	3-3/8"	Hornet Saw	\$325.60
TRTM1440T	14"	40T	TCG	.185"	.134"	1"	3R,3L	3-1/2"	Timber Mill	\$182.40
TRTM1660T	16"	60T	TCG	.185"	.134"	1"	3R,3L	3-1/2"	Timber Mill	\$263.00
TRMK3503070LR	350MM	70T	LR	4.0MM	3.0MM	30MM	— —	— —	Twin Axis	\$202.40
TRTM2080TRS	20"	80T	TCG	.209"	.150"	1"	6 all Right	5"	Timber Mill	\$399.20
TRTM2280R	22"	80T	TCG	.209"	.150"	1"	6 all Right	4-3/4"	Timber Mill	\$451.40
TRTM2280T*	22"	80T	TCG	.209"	.150"	1"	6 all Left	4-3/4"	Timber Mill	\$451.40
TRTM3080T*	30"	80T	TCG	.260"	.200"	1-1/8"	6 all Right	6"	Timber Mill	\$921.60
TR1440A	14"	40T	ATB	.184"	.134"	1"	3R,3L	3-1/8"	Clary	\$182.40
TR1460T	14"	60T	TCG	.184"	.134"	1"	3R,3L	3-1/8"	Clary	\$230.60
TR1640T	16"	40T	TCG	.184"	.134"	1"	3R,3L	3-1/8"	Clary	\$224.00
TR1660T	16"	60T	TCG	.184"	.134"	1"	3R,3L	3-1/8"	Clary	\$265.00
TR1860A	18"	60T	ATB	.209"	.150"	1"	3R,3L	3-1/8"	Clary	\$334.40
TR1860T	18"	60T	TCG	.209"	.150"	1"	3R,3L	3-1/8"	Clary	\$334.40
TR2060T	20"	60T	TCG	.209"	.150"	1"	3R,3L	3-1/8"	Clary	\$392.80
TR2080A	20"	80T	ATB	.209"	.150"	1"	3R,3L	3-1/8"	Clary	\$474.60
TR2010	20"	100T	ATB	.225"	.160"	1-1/2"	— —	— —	Alpine Linear	\$518.20
TR205100	20.5"	100T	ATB	.225"	.160"	1-1/2"	8 All Right	5-1/4"	Alpine Linear	\$518.20
TR2280T	22"	80T	TCG	.209"	.150"	1"	6 all Right	5"	Clary	\$477.20
TR2212A	22"	120T	ATB	.209"	.150"	1"	6 all Right	5"	Clary	\$496.20
TR3280T	32"	80T	TCG	.260"	.200"	2"	6 all Left	7"	Clary	\$952.00
TRAZ35054	350MM	54T	ATB	3.6MM	2.5MM	50MM	6 (6.5MM)	64MM	Razer	\$169.80
TRAZ35054A4	350MM	54T	ATB	4.0MM	2.8MM	50MM	6 (6.5MM)	64MM	Razer	\$175.80
TRAZ35054T	350MM	54T	TCG	4.0MM	2.8MM	50MM	6 (6.5MM)	64MM	Razer	\$175.80
TRID1440T	14"	40T	TCG	.185"	.134"	1"	3R,3L	6"	Idaco	\$191.80
TRID1648T	16"	48T	TCG	.185"	.134"	1"	3R,3L	6"	Idaco	\$258.40
TRID2060T	20"	60T	TCG	.209"	.150"	1"	3R,3L	6"	Idaco	\$415.60
TRID3080T	30"	80T	TCG	.260"	.200"	1"	3R,3L	6"	Idaco	\$895.00
TRIAD3080T	30"	80T	TCG	.260"	.200"	1-1/2"	(2) 5/8"	3"	Triad	\$895.00
TRIAD3080A	30"	80T	ATB	.260"	.200"	1-1/4"	(2) 5/8"	3"	Triad	\$895.00
TRK1240A	12"	40T	ATB	.142"	.091"	7/8"	3R,3L	2-1/4"	Auto-Omni	\$139.80
TRK2040A	20"	40T	ATB	.205"	.154"	1-1/2"	4R,4L	3-1/2"	Auto-Omni	\$324.80
TRK2040T	20"	40T	TCG	.205"	.150"	1-1/2"	4R, 4L	3-1/2"	Auto-Omni	\$344.20
TRK3080	30"	80T	TCG	.260"	.200"	1-1/2"	6R,6L	6"	Auto-Omni	\$895.00

TRUSS & COMPONENT SAWS

Popular truss blades are manufactured with a thicker plate for smoother and straighter cuts every time. These blades come with standard tapered mounting holes to fit 5/16" bolt with 82 degree tapering, except TRDS1640, TRDS2260N, and TRK1740N which fits a 1/4" bolt. Size of mounting holes may vary on the open side due to the thickness of saw plates. All truss blades have 10 degree hook angle.

PART	DIA	TEETH	TIP	KERF	PLATE	BORE	MTG HOLES	BOLT CIRCLE	MACHINE	PRICE
TRTCT1640A	16"	40T	ATB	.185"	.134"	2-1/2"	4/.400"	6"	XL-Saw	\$254.40
TRK1640K19	16"	40T	ATB	.190"	.148"	7/8"	3R, 3L	2.25", 2.265"	Koskovich	\$293.60
TRK1640T25A	16"	40T	ATB	.190"	.150"	1.26"	3R, 3L	2.25", 2.265"	Koskovich	\$293.60
TRK1640T25	16"	40T	TCG	.190"	.150"	1.26"	3R, 3L	2.25", 2.265"	Koskovich	\$293.60
TRDS1640	16"	40T	TCG	.202"	.134"	1"	4R,4L	4"	Monet	\$265.00
TRDS2260N	22"	60T	ATB	.205"	.150"	1-3/4"	4R, 4L	4"	Monet	\$463.20
TRDS3080	30"	80T	TCG	.260"	.200"	1 5/8"	6R,6L	6"	Monet	\$921.60
RA4503540	450MM	40T	ATB	4.7MM	3.4MM	35MM	— —	— —	Mangotech	\$232.60
RA4503560	450MM	60T	ATB	4.7MM	3.4MM	35MM	— —	— —	Mangotech	\$248.20
TRHN50036	500MM	36T	ATB	4.4MM	3.5MM	30MM			Hundegger	\$371.20
TRHN52036	520MM	36T	ATB	4.4MM	3.5MM	30MM			Hundegger	\$400.00
TRHN55060	550MM	60T	ATB	6.0MM	4.4MM	37MM	8R/M8/120MM	2/14MM/240MM	Hundegger	\$531.00
U65054HND**	650MM	54T	FTG	5.6MM	3.8MM	30MM	2/15, 4/8.3	100MM, 90MM	Hundegger	\$457.60
TRHN65096	650MM	96T	ATB	5.6MM	3.8MM	30MM	2/15, 4/8.3	100MM, 90MM	Hundegger	\$615.60
TRHN70084	700MM	84T	ATB	6.2MM	4.2MM	30MM	2/14, 4/8.5	400MM, 90MM	Hundegger	\$647.60
XU72048HUN**	720MM	48T	FTG	6.0MM	4.4MM	30MM	4/8.3MM, 8R/M8	90MM, 120MM	Hundegger	\$792.00
TRHN72072	720MM	72T	ATB	6.0MM	4.4MM	30MM	4/8.3MM, 8R/M8	90MM, 120MM	Hundegger	\$897.00

*Also available with pinholes mounting All Right. Please specify when ordering part# TRTM2280R or TRTM3080R

**Blade has strobs in the body with 30 deg hook

FINGER JOINT CUTTERS & BLADES

CNC precision made to stay sharp and stay longer on the machines. Tight tolerance for tight finger joints.

PART	DIA	TEETH	PLATE	BORE	PRICE
FJ1605040	160MM	2T	4.0MM	50MM	\$28.60
FJ1605010	160MM	2T	10.0MM	50MM	\$57.20
FJ16050403T	160MM	3T	4.0MM	50MM	\$43.20
FJ16050103T	160MM	3T	10.0MM	50MM	\$86.00
FJ1607040	160MM	2T	4.0MM	70MM	\$28.60
FJ1607010	160MM	2T	10.0MM	70MM	\$57.20
FJ16070403T	160MM	3T	4.0MM	70MM	\$43.20
FJ16070103T	160MM	3T	10.0MM	70MM	\$86.00
FJ2107040	210MM	4T	4.0MM	70MM	\$76.40
FJ2107010	210MM	4T	10.0MM	70MM	\$152.60
FJ2507038	*250MM	6T	3.8MM	70MM	\$114.40
FJ2507011	*250MM	6T	11.4MM	70MM	\$228.60

PART	DIA	TEETH	BORE	COUNTERSUNK	KERF	DESIGN	PRICE
FJS25075806L	*250MM	80T	75MM	6L/95MM/M6	6.0MM	all LHTB	\$219.20
FJS25075806R	*250MM	80T	75MM	6R/95MM/M6	6.0MM	all RHTB	\$219.20
FJS20075487	*200MM	48T	75MM	6L,6R/95MM/M6	7.0MM	ATB	\$142.80
FJS25550804L	255MM	80T	50MM	6L/150MM/M6	4.0MM	all LHTB	\$190.60
FJS25550804R	255MM	80T	50MM	6R/150MM/M6	4.0MM	all RHTB	\$190.60
FJS355254120	355MM	120T	25.4MM	—	3.4MM	LRLRS	\$228.60
OPD450108H	*450MM	108T	30MM	—	4.8MM	HATB	\$390.60

NON-FERROUS CUTTING SAWS

A specially formulated carbide makes cutting all kinds of non-ferrous metal simple and easy. Cut sheets, extrusions, or light solids of aluminum, copper, and brass. Clamp material firmly and lubricate blade with cutting fluid. Do not use on steel or other ferrous metals.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE & PINS	HOOK	PRICE
NF3782038	3 7/8"	20T	TCG	.134"	.110"	3/8"	5	\$54.20
NF420Q	4"	20T	TCG	.095"	.062"	3/4"	0	\$54.20
NF45020Q	4-1/2"	20T	TCG	.095"	.062"	3/4"	0	\$54.20
NFEL1802036	180MM	36T	TCG	3.5MM	2.2MM	20MM	0	\$179.40
NF72540	7-1/4"	40T	TCG	.118"	.087"	5/8"	-5	\$67.00
NF760	7-1/4"	60T	TCG	.087"	.058"	5/8"	0	\$67.00
NF848	8"	48T	TCG	.126"	.094"	5/8"	-5	\$87.40
NF860	8"	60T	TCG	.118"	.094"	5/8"	-5	\$100.20
NF880	8"	80T	TCG	.130"	.083"	5/8"	5	\$115.20
NF85060	8-1/2"	60T	TCG	.102"	.071"	5/8"	-5	\$104.20
NF960	9"	60T	TCG	.134"	.102"	5/8"	-5	\$117.80
NF2503080	250MM	80T	TCG	3.0MM	2.2MM	30MM, 2/7/42	0	\$137.40
NF1060EX	10"	60T	TCG	.118"	.087"	5/8"	-5	\$90.80
NF1060	10"	60T	TCG	.134"	.102"	5/8"	-5	\$113.00
NF1080EX	10"	80T	TCG	.118"	.087"	5/8"	-5	\$102.20
NF1080	10"	80T	TCG	.134"	.110"	5/8"	-5	\$137.40
NF1010118	10"	100T	TCG	.118"	.094"	5/8"	-5	\$128.80
NF1010	10"	100T	TCG	.134"	.110"	5/8"	-5	\$150.00
NF1012	10"	120T	FTG	.079"	.055"	5/8"	10	\$155.00
NF2753280	275MM	80T	TCG	3.2MM	2.4MM	32MM	0	\$147.20
NF30090	300MM	90T	TCG	3.2MM	2.4MM	32MM	-5	\$156.60
NF3003010	300MM	100T	TCG	3.4MM	2.6MM	30MM, 2+2 PH	-5	\$163.20
NF1280P	12"	80T	TCG	.126"	.102"	5/8"	-5	\$164.00
NF1280	12"	80T	TCG	.142"	.118"	1"	-5	\$157.60
NF1210P	12"	100T	TCG	.126"	.102"	5/8"	-5	\$173.20
NF1210EX	12"	100T	TCG	.134"	.095"	1"	0	\$148.20
NF1210	12"	100T	TCG	.142"	.118"	1"	-5	\$166.40
NF1212P	12"	120T	TCG	.126"	.095"	5/8"	-5	\$199.20
NF1212	12"	120T	TCG	.126"	.095"	1"	-5	\$199.20
NF1312	13"	120T	TCG	.134"	.110"	1"	-5	\$245.40
NF3303290	330MM	90T	TCG	3.4MM	2.8MM	32MM	-5	\$199.20
NF3503060	350MM	60T	TCG	3.2MM	2.5MM	30MM	-5	\$180.80
NF3503072	350MM	72T	TCG	3.2MM	2.5MM	30MM	-5	\$182.40
NF3503084	350MM	84T	TCG	3.2MM	2.5MM	30MM	-5	\$184.40
NF3503284	350MM	84T	TCG	3.2MM	2.5MM	32MM, 4/12/64	-5	\$184.40
NF3504084	350MM	84T	TCG	3.6MM	3.0MM	40MM, 2/9/55 + 4/12/64	-5	\$191.80
NF35032108	350MM	108T	TCG	3.2MM	2.5MM	32MM, 4/12/64	-5	\$204.00
NF350120	350MM	120T	TCG	3.2MM	2.5MM	1"	-5	\$149.99
NF1440	14"	40T	TCG	.150"	.126"	1"	-5	\$164.80
NF1448	14"	48T	TCG	.150"	.126"	32MM	-5	\$174.20
NF1480	14"	80T	TCG	.150"	.126"	1"	-5	\$204.00
NF1410P	14"	100T	TCG	.150"	.126"	5/8"	-5	\$211.00
NF1410	14"	100T	TCG	.157"	.130"	1"	-5	\$211.00
NF1412P	14"	120T	TCG	.146"	.118"	5/8"	-5	\$248.20
NF1412	14"	120T	TCG	.157"	.130"	1"	-5	\$248.20

NON-FERROUS CUTTING SAWS

A specially formulated carbide makes cutting all kinds of non-ferrous metal simple and easy. Cut sheets, extrusions, or light solids of aluminum, copper, and brass. Clamp material firmly and lubricate blade with cutting fluid. Do not use on steel or other ferrous metals.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE & PINS	HOOK	PRICE
NF38032100	380MM	100T	TCG	3.8MM	3.2MM	32MM	0	\$194.40
NF1580	15"	80T	TCG	.126"	.102"	1"	-5	\$175.80
NF1510P	15"	100T	TCG	.126"	.102"	5/8"	-5	\$191.80
NF1510	15"	100T	TCG	.126"	.102"	1"	-5	\$191.80
NF4003072	400MM	72T	TCG	4.2MM	3.4MM	30MM	0	\$246.40
NF4005096	400MM	96T	TCG	3.8MM	2.8MM	50MM, 4/15/80	0	\$261.00
NF4003010	400MM	100T	TCG	4.2MM	3.4MM	30MM	-5	\$276.00
NF1610BO	16"	100T	TCG	.140"	.110"	1-1/2"	5	\$232.00
NF1660	16"	60T	TCG	.165"	.134"	1"	-5	\$216.80
NF1680	16"	80T	TCG	.165"	.142"	1"	-5	\$237.60
NF1610	16"	100T	TCG	.165"	.134"	1"	-5	\$252.20
NF1612	16"	120T	CTC	.157"	.130"	1"	-5	\$325.40
NF4203096	420MM	96T	TCG	4.2MM	3.4MM	30MM	0	\$277.80
NF4203012CTC	420MM	120T	CTC	4.2MM	3.4MM	30MM	0	\$353.40
NF4205096	420MM	96T	TCG	4.2MM	3.4MM	50MM, 4/15/80	0	\$309.00
NF4503096	450MM	96T	TCG	4.2MM	3.4MM	30MM	0	\$328.00
NF1812150BO	18"	120T	TCG	.150"	.120"	1-1/2"	5	\$336.00
NF1840	18"	40T	TCG	.200"	.150"	1"	10	\$258.80
NF1860	18"	60T	TCG	.230"	.150"	1"	-5	\$284.40
NF1872MS*	18"	72T	TCG	.176"	.142"	1-1/2"	0	\$296.20
NF1880	18"	80T	TCG	.176"	.138"	1"	-5	\$306.40
NF1810	18"	100T	TCG	.176"	.138"	1"	-5	\$314.80
NF1812	18"	120T	CTC	.165"	.138"	1"	-5	\$362.80
NF5003010	500MM	100T	TCG	4.6MM	3.8MM	30MM	0	\$324.00
NF5003010F	500MM	100T	TCG	4.0MM	3.2MM	30MM, 4/12/64	5	\$334.40
NF5004010L	500MM	100T	TCG	3.0MM	2.5MM	40MM, 2/12/64	0	\$457.00
NF5003012	500MM	120T	TCG	4.6MM	3.8MM	30MM, 4/12/64	0	\$369.00
NF5003012F	500MM	120T	TCG	4.0MM	3.2MM	30MM, 4/12/64	5	\$388.60
NF5003212	500MM	120T	TCG	4.6MM	3.8MM	32MM, 4/12/64	0	\$373.00
NF5003280ELU	500MM	80T	TCG	4.0MM	3.2MM	32, 6 All Right + 2/6/75	5	\$371.40
NF5003212ELU	500MM	120T	TCG	4.0MM	3.2MM	32, 6 All Right + 2/6/75	5	\$403.80
NF5003016F	500MM	160T	TCG	4.0MM	3.2MM	30MM	5	\$421.00
NF2040	20"	40T	TCG	.180"	.150"	1"	0	\$266.80
NF2060	20"	60T	TCG	.180"	.150"	1"	0	\$285.20
NF2060L**	20"	60T	TCG	.180"	.150"	1"	0	\$285.20
NF2060MS*	20"	60T	TCG	.180"	.150"	1-1/2", 1/(9/16")/3"	0	\$290.40
NF2072	20"	72T	TCG	.180"	.150"	1"	0	\$290.40
NF2072MS*	20"	72T	TCG	.180"	.150"	1-1/2", 1/(9/16")/3"	0	\$296.20
NF2080	20"	80T	TCG	.180"	.150"	1"	-5	\$294.40
NF2010	20"	100T	TCG	.180"	.150"	1"	-5	\$325.60
NF2412230BO	24"	120T	TCG	.230"	.180"	1-1/2"	5	\$544.00
NF2480230BO	24"	80T	TCG	.230"	.180"	1-1/2"	5	\$584.00
NF24180	24"	180T	TCG	.230"	.180"	1-1/2"	5	\$640.00
NF4060280BO	40"	60T	TCG	.280"	.215"	1-1/2"	5	\$1120.00

**Blade has laser slots in the body for noise reduction

NON-FERROUS CUTTING SAWS

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PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE & PINS	HOOK	PRICE
NF2012	20"	120T	TCG	.180"	.150"	1"	-5	\$370.20
NF2016	20"	160T	TCG	.180"	.150"	1"	-5	\$426.60
NF5503080	550MM	80T	TCG	4.6MM	3.8MM	30MM	0	\$528.60
NF5503010	550MM	100T	TCG	4.6MM	3.8MM	30MM	0	\$538.20
NF5503012	550MM	120T	TCG	4.6MM	3.8MM	30MM	0	\$576.00
NF5503212L	550MM	120T	TCG	4.2MM	3.4MM	32MM	5	\$552.20
NF2260MS*	22"	60T	TCG	.180"	.150"	1-1/2", 1/(9/16")/3"	-5	\$454.40
NF2296ES	22"	96T	TCG	.190"	.155"	40MM, 4/12/64	-5	\$532.40
NF2210	22"	100T	TCG	.180"	.150"	1"	-5	\$506.80
NF2212	22"	120T	TCG	.180"	.150"	1"	-5	\$548.60
NF2215	22"	150T	TCG	.180"	.150"	1"	0	\$565.80
NF2260CTC	22"	60T	CTC	.220"	.160"	1"	5	\$438.20
NF2272MS	22"	72T	TCG	.180"	.150"	1-1/2", 1/(9/16")/6"	0	\$495.40
NF60040108	600MM	108T	FTG	4.0MM	3.4MM	40MM	0	\$552.20
NF60032140	600MM	140T	TCG	4.4MM	3.95	32MM, 2/10.5/63 + 6/8.5/100	2	\$589.60
NF2448	24"	48T	CTC	.235"	.165"	1"	0	\$466.80
NF2460	24"	60T	TCG	.205"	.165"	1"	5	\$481.80
NF2460MS*	24"	60T	TCG	.205"	.165"	1-1/2", 2/(9/16")/4-3/4"	5	\$483.80
NF2472	24"	72T	TCG	.205"	.165"	1"	5	\$492.40
NF2472MS*	24"	72T	TCG	.205"	.165"	1-1/2", 2/(9/16")/4-3/4"	5	\$496.20
NF2472157	24"	72T	TCG	.157"	.118"	1"	5	\$413.60
NF2480	24"	80T	TCG	.205"	.165"	1"	-5	\$504.80
NF2410	24"	100T	TCG	.205"	.165"	1"	0	\$527.60
NF2412157	24"	120T	TCG	.157"	.134"	1"	5	\$580.80
NF2412	24"	120T	TCG	.205"	.165"	1"	-5	\$553.20
NF2416	24"	160T	TCG	.205"	.165"	1"	-5	\$611.20
NF243016	24"	160T	TCG	.205"	.165"	30MM	-5	\$617.80
NF24174	24"	174T	TCG	.186"	.140"	1-1/2"	10	\$668.80
NF6504015	650MM	150T	TCG	5.0MM	4.2MM	40MM	0	\$809.60
NF2648	26"	48T	CTC	.235"	.165"	1"	0	\$572.60
NF2672	26"	72T	TCG	.230"	.181"	1"	2	\$617.80
NF2680	26"	80T	TCG	.235"	.165"	1"	0	\$649.60
NF2612	26"	120T	TCG	.235"	.165"	1"	0	\$777.00
NF2872MS*	28"	72T	CTC	.230"	.180"	1-1/2", 1/(7/16")/5 3/8" + 1/(5/8)/9 1/2"	2	\$806.40
NF2880MS*	28"	80T	TCG	.240"	.181"	1-1/2", 1/(7/16")/5 5/16" + 1 (11/16")/ 9 1/2"	0	\$825.60
NF2812BO	28"	120T	TCG	.195"	.155"	1-1/2"	5	\$844.80
NF2815	28"	150T	TCG	.235"	.165"	1"	0	\$914.00
NF8005014	800MM	144T	TCG	6.4MM	5.1MM	50MM, 4/(5/8")/3-1/8"	0	\$1,006.80
NF3080	30"	80T	TCG	.260"	.200"	1-1/4"	0	\$895.00
NF30801	30"	80T	TCG	.261"	.201"	1"	0	\$895.00
NF3012	30"	120T	TCG	.248"	.200"	1"	2	\$951.20
NF3012BO	30"	120T	TCG	.230"	.180"	1-1/2"	5	\$880.00

*For Metlsaw plate saws.

22" to 30" SAWS

Please specify bore size when placing an order. Standard arbor sizes are 1", 1 1/8", 1 1/4", and 1 3/8". No re-bore charge for standard size. There is a re-bore fee to re-bore to any other sizes. Order ID only shows 1" arbor size.

PART	DIA	TEETH	DESIGN	KERF	PLATE	BORE	HOOK	PRICE
GA2210060F	22"	60T	ATB	.220"	.150"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$335.40
GA2210060N	22"	60T	ATB	.220"	.150"	1", 1-1/8", 1-1/4", & 1-3/8"	-5	\$335.40
GA2210080F	22"	80T	ATB	.220"	.150"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$366.80
GA2210080N	22"	80T	ATB	.220"	.150"	1", 1-1/8", 1-1/4", & 1-3/8"	-5	\$366.80
GA22100100F	22"	100T	ATB	.220"	.150"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$398.00
GA22100100N	22"	100T	ATB	.220"	.150"	1", 1-1/8", 1-1/4", & 1-3/8"	-5	\$398.00
GA22100120F	22"	120T	ATB	.220"	.150"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$419.20
GA22100120N	22"	120T	ATB	.220"	.150"	1", 1-1/8", 1-1/4", & 1-3/8"	-5	\$419.20
GA2440	24"	40T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$408.60
GA2410060F	24"	60T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$412.60
GA2410060N	24"	60T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	-5	\$412.60
GA2410080F	24"	80T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$435.40
GA2410080N	24"	80T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	-5	\$435.40
GA24100100F	24"	100T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$454.40
GA24100100N	24"	100T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	-5	\$454.40
GA24100120F	24"	120T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$475.20
GA24100120N	24"	120T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	-5	\$475.20
GA2680A	26"	80T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$599.00
GA2610A	26"	100T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$617.80
GA2612	26"	120T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$680.80
GA2860N	28"	60T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	-5	\$613.40
GA2880	28"	80T	ATB	.245"	.165"	1", 1-1/8", 1-1/4", & 1-3/8"	5	\$617.80
TRX2880	28"	80T	TCG	.260"	.200"	1", 1-1/8", 1-1/4", & 1-3/8"	10	\$827.20
TRX3080	30"	80T	TCG	.260"	.200"	1", 1-1/8", 1-1/4", & 1-3/8"	10	\$895.00
TRX3280	32"	80T	TCG	.260"	.200"	1", 1-1/8", 1-1/4", & 1-3/8"	10	\$980.60

Please specify bore size when ordering. Order ID above only shows 1" bore size. Standard sizes are 1", 1 1/8", 1 1/4", & 1 3/8". No re-bore charge for standard sizes

SL2542 PREMIUM WOOD LATHE

- 1580 POUND 100% CAST IRON FRAME
- GLASS SMOOTH METALLIC CHARCOAL FINISH
- POLY-V DRIVE TRAIN WITH 4:1 SPEED REDUCTION
- FAST RACK AND PINION TAIL STOCK
- 3 HP PREMIUM EFFICIENCY MOTOR
- MAGNETIC REMOTE EMERGENCY STOP BUTTON

Precision spindle cartridge weighs 70 pounds and utilizes 4 heavy bearings; now with 48 position indexing, a power lock out safety switch, and outboard 1 1/2" x 8 spindle threads.

The new headstock design incorporates spindle speed digital read out, index position digital read out, variable speed control, forward and reverse switch, and emergency stop button.



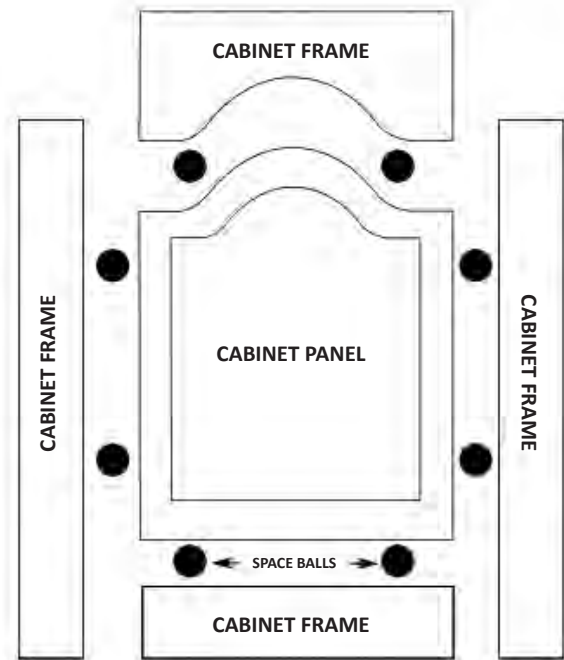
SERIOUS TOOLWORKS WOOD LATHE MACHINE SL2542 SPECIFICATIONS	
Swing	25"
Distance Between Centers	42"
Height	47"
Spindle Height	42"
Length	70"
Width	29"
Spindle Taper	#3MT
Spindle Thread	1-1/2" x 8"
Spindle Bore	5/8"
Tailstock Taper	#3MT
Tailstock Bore	3/8"
Tailstock Quill Travel	6"
Motor	3 HP 3 Phase
Inverter	220 volt 1 Phase 20 amp
Spindle Speed 1:1	100-3,650 rpm
Spindle Speed 4:1	25-900 rpm
Weight	1580 lbs
Spindle Handwheel	10" Chrome
Tailstock Handwheel	8" Chrome
Motor Sheave	8" & 2"
Spindle Sheave	8"
Drive Belt	Poly V
Banjo Cavity	1-1/4"
Faceplate	4" Steel
Tool Rests	16"
Spindle RPM digital display, and indexing digital display	



LAST ONE IN STOCK!
PRICED TO MOVE AT \$5999.00
(plus freight) RETAIL PRICE IS \$7295.00

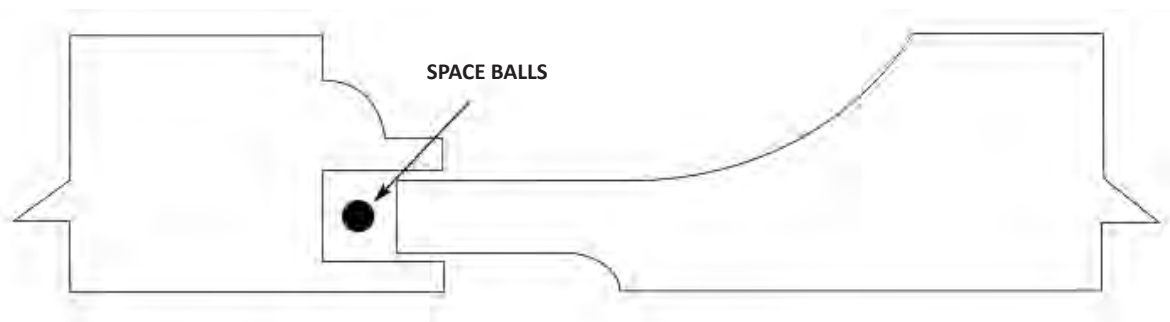
sales@ballewsaw.com 800-288-7483

SPACE BALLS PACKS		
PART	QUANTITY	PRICE
SPB-1000	1000 SPACEBALLS	\$25.99
SPB-5000	5000 SPACEBALLS	\$99.99
SPB-10000	10000 SPACEBALLS	\$169.99
SPB-25000	25000 SPACEBALLS	\$392.99
SPB-50000	50000 SPACEBALLS	\$649.99



Space Balls are made of 1/4" High Quality Neoprene Rubber

- Automatically center panels in the assembling process
- Expand and contract as the panel does
- Eliminate panel rattle and help eliminate cracking of glue joints
- Cuts out most major call-backs on solid or flat panel doors
- 8 – 10 Space balls are recommended per door
- Space balls should fit snug, but not tight, by compressing 1/3 of the diameter of the ball



Graphics on this page are not to scale

SUNMIGHT 5" DISCS NO/5/8 HOLE - GOLD PSA & VELCRO GRIP - FULL RELEASE



- Faster and sharper cut performance
- Even scratch pattern on all wood species
- Resistance to clogging, loading, pilling, and tearing on edges
- Lower cost and longer life than any other brand

5" 5 HOLE GOLD PSA			
PART	GRIT	QUANTITY	PRICE
52106	80	100 DISCS PER BOX	\$28.32
52107	100	100 DISCS PER BOX	\$24.98
52108	120	100 DISCS PER BOX	\$24.98
52109	150	100 DISCS PER BOX	\$24.98
52110	180	100 DISCS PER BOX	\$24.98
52111	220	100 DISCS PER BOX	\$24.98
52114	320	100 DISCS PER BOX	\$24.98
52116	400	100 DISCS PER BOX	\$24.98
COMPARE TO MIRKA SERIES 23-321-XXX			

5" NO HOLE GOLD PSA - FULL RELEASE BACKER			
PART	GRIT	QUANTITY	PRICE
02105	60	100 DISCS PER BOX	\$32.56
02106	80	100 DISCS PER BOX	\$28.32
02107	100	100 DISCS PER BOX	\$24.98
02108	120	100 DISCS PER BOX	\$24.98
02109	150	100 DISCS PER BOX	\$24.98
02110	180	100 DISCS PER BOX	\$24.98
02111	220	100 DISCS PER BOX	\$24.98
02114	320	100 DISCS PER BOX	\$24.98
02116	400	100 DISCS PER BOX	\$24.98
COMPARE TO MIRKA SERIES 23-332-XXX			

5" 5 HOLE GOLD VELCRO GRIP			
PART	GRIT	QUANTITY	PRICE
52205	60	50 DISCS PER BOX	\$20.52
52206	80	50 DISCS PER BOX	\$17.83
52207	100	50 DISCS PER BOX	\$15.82
52208	120	50 DISCS PER BOX	\$15.82
52209	150	50 DISCS PER BOX	\$15.82
52210	180	50 DISCS PER BOX	\$15.82
52211	220	50 DISCS PER BOX	\$15.82
52214	320	50 DISCS PER BOX	\$15.82
52216	400	50 DISCS PER BOX	\$15.82
COMPARE TO MIRKA SERIES 23-614-XXX			

5" NO HOLE GOLD VELCRO GRIP			
PART	GRIT	QUANTITY	PRICE
02205	60	50 DISCS PER BOX	\$20.52
02206	80	50 DISCS PER BOX	\$17.83
02207	100	50 DISCS PER BOX	\$15.82
02208	120	50 DISCS PER BOX	\$15.82
02209	150	50 DISCS PER BOX	\$15.82
02210	180	50 DISCS PER BOX	\$15.82
02211	220	50 DISCS PER BOX	\$15.82
02214	320	50 DISCS PER BOX	\$15.82
02216	400	50 DISCS PER BOX	\$15.82
COMPARE TO MIRKA SERIES 23-612-XXX			

5" 8 HOLE GOLD VELCRO GRIP			
PART	GRIT	QUANTITY	PRICE
58105	60	50 DISCS PER BOX	\$20.52
58106	80	50 DISCS PER BOX	\$17.83
58107	100	50 DISCS PER BOX	\$15.82
58108	120	50 DISCS PER BOX	\$15.82
58109	150	50 DISCS PER BOX	\$15.82
58110	180	50 DISCS PER BOX	\$15.82
58111	220	50 DISCS PER BOX	\$15.82
58114	320	50 DISCS PER BOX	\$15.82
58116	400	50 DISCS PER BOX	\$15.82
COMPARE TO MIRKA SERIES 23-615-XXX			

5" & 6" NO/6 HOLE DISCS - FILM & GOLD PSA - VELCRO GRIP SUNMIGHT

5" NO HOLE FILM PSA - FULL RELEASE BACKER

PART	GRIT	QUANTITY	PRICE
01106	80	100 DISCS PER BOX	\$38.13
01107	100	100 DISCS PER BOX	\$34.13
01108	120	100 DISCS PER BOX	\$34.13
01109	150	100 DISCS PER BOX	\$34.13
01110	180	100 DISCS PER BOX	\$34.13
01111	220	100 DISCS PER BOX	\$34.13
01114	320	100 DISCS PER BOX	\$34.13
01116	400	100 DISCS PER BOX	\$34.13

6" NO HOLE GOLD PSA

PART	GRIT	QUANTITY	PRICE
02305	60	100 DISCS PER BOX	\$42.28
02306	80	100 DISCS PER BOX	\$36.77
02307	10	100 DISCS PER BOX	\$33.27
02308	120	100 DISCS PER BOX	\$33.27
02309	150	100 DISCS PER BOX	\$33.27
02310	180	100 DISCS PER BOX	\$33.27
02311	220	100 DISCS PER BOX	\$33.27
02314	320	100 DISCS PER BOX	\$33.27
02316	400	100 DISCS PER BOX	\$33.27

COMPARE TO MIRKA SERIES 23-341-XXX

6" 6 HOLE GOLD PSA

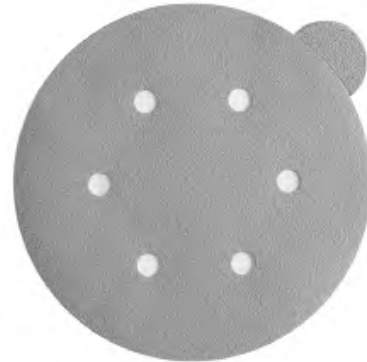
PART	GRIT	QUANTITY	PRICE
02706	80	100 DISCS PER BOX	\$36.77
02707	100	100 DISCS PER BOX	\$33.27
02708	120	100 DISCS PER BOX	\$33.27
02709	150	100 DISCS PER BOX	\$33.27
02710	180	100 DISCS PER BOX	\$33.27
02711	220	100 DISCS PER BOX	\$33.27
02714	320	100 DISCS PER BOX	\$33.27
02716	400	100 DISCS PER BOX	\$33.27

COMPARE TO MIRKA SERIES 23-341/342-XXX

6" 6 HOLE GOLD VELCRO GRIP

PART	GRIT	QUANTITY	PRICE
02806	80	50 DISCS PER BOX	\$23.98
02807	100	50 DISCS PER BOX	\$21.62
02808	120	50 DISCS PER BOX	\$21.62
02809	150	50 DISCS PER BOX	\$21.62
02810	180	50 DISCS PER BOX	\$21.62
02811	220	50 DISCS PER BOX	\$21.62
02814	320	50 DISCS PER BOX	\$21.62
02816	400	50 DISCS PER BOX	\$21.62

COMPARE TO MIRKA SERIES 23-624-XXX (DISC.)



TERMINUS - TERSA

KNIVES

TERMINUS - 14MM HEIGHT X 2.55MM THICK				
LENGTH mm	CARBIDE T10MG	PRICE	HSS 18%(T1)	PRICE
50	100796	\$59.48	114601	\$6.78
60	100803	\$67.51	114602	\$8.11
80	100804	\$83.40	114603	\$10.83
100	100805	\$98.90	114604	\$13.54
110	100806	\$105.74	114605	\$14.89
120	100807	\$112.00	114606	\$16.26
130	055496	\$117.45	114607	\$17.60
136	107532	\$121.00	114608	\$18.43
140	100808	\$121.15	114609	\$18.94
150	100809	\$126.45	114610	\$20.31
160	100811	\$131.54	114611	\$21.65
170	100812	\$136.23	114612	\$23.03
180	100813	\$140.38	114613	\$24.38
190	100814	\$144.44	114614	\$25.71
200	100815	\$148.24	114615	\$27.09
210	100816	\$151.85	114616	\$28.43
220	100817	\$155.01	114617	\$29.80
230	054752	\$157.73	114618	\$31.14
240	100818	\$160.49	114619	\$32.49
250	100819	\$162.59	114620	\$33.85
255	107533	\$163.86	114621	\$34.53
260	100820	\$166.40	114622	\$35.20
270	100821	\$170.68	114623	\$36.58
275	107534	\$174.85	114624	\$37.24
280	100822	\$176.63	114625	\$37.91
300	100823	\$183.66	114626	\$40.63
310	055497	\$184.75	114627	\$41.96
330	107535	\$190.83	114628	\$44.69
350	100824	\$196.31	114629	\$47.40
360	100825	\$201.80	114630	\$48.74
400	100826	\$216.89	114631	\$54.16
410	055498	\$222.25	114632	\$55.51
420	100828	\$227.44	114633	\$56.85
430	100829	\$232.64	114634	\$58.23
450	100830	\$235.99	114635	\$60.94
480	100940	\$244.30	114636	\$65.00
500	104977	\$245.86	114637	\$67.68
510	055499	\$250.76	114638	\$69.05
520	100831	\$255.53	114639	\$70.40
530	100832	\$260.28	114640	\$71.76
610	055500	\$279.71	114641	\$82.60
620	100833	\$284.18	114642	\$83.94
630	100834	\$288.63	114643	\$85.31
640	100835	\$293.09	114644	\$86.65
650	055501	\$297.44	114645	\$87.99
710			114646	\$96.14
810			114647	\$109.68
1050			114648	\$142.19

TERSA- 10MM HEIGHT X 2.3MM THICK				
LENGTH mm	CARBIDE T10MG	PRICE	HSS 6% (T1)	PRICE
60	100847	\$46.35	100395	\$6.45
75	104212	\$49.30	107545	\$7.49
80	100848	\$57.15	100396	\$7.83
90	104398	\$64.29	107546	\$8.49
95	104211	\$66.31	107547	\$8.95
100	055509	\$68.48	100397	\$9.43
110	100849	\$75.13	100398	\$10.21
115	105071	\$78.36	104630	\$10.65
120	100851	\$81.78	100399	\$11.20
125	104022	\$87.88	107548	\$11.36
130	055510	\$88.45	100400	\$11.76
135	103823	\$93.35	103821	\$12.29
140	104766	\$94.70	104613	\$12.73
145	104210	\$96.69	107549	\$13.16
150	100852	\$99.88	100401	\$13.38
160	103943	\$104.45	102716	\$14.28
170	100853	\$110.86	100402	\$14.54
180	100854	\$115.04	100403	\$15.40
185	105070	\$118.21	102774	\$15.95
190	104399	\$119.04	104808	\$16.28
200	105698	\$127.35	104243	\$16.83
210	100855	\$131.25	100404	\$17.65
220	104589	\$137.38	104566	\$18.05
230	055511	\$143.60	100405	\$18.41
235	103824	\$147.91	101718	\$18.81
240	104043	\$150.10	101720	\$18.91
250	100856	\$155.94	100406	\$19.06
260	100857	\$162.13	100407	\$19.83
265	104573	\$165.25	104326	\$20.19
270	101673	\$168.38	102982	\$20.59
280	100858	\$174.48	100408	\$21.06
300	100859	\$179.34	100409	\$22.55
310	055512	\$181.44	100410	\$23.31
320	107550	\$185.25	104687	\$24.08
330	100861	\$191.23	100411	\$24.79
350	100862	\$194.53	100412	\$25.74
360	100863	\$201.93	100413	\$26.46
400	100864	\$207.63	100414	\$27.91
410	055513	\$230.54	100415	\$28.46
415	107551	\$236.26	105267	\$28.93
420	100865	\$239.11	100416	\$29.18
430	055514	\$241.99	100417	\$29.89
450	100866	\$247.69	100418	\$31.60
500	100867	\$253.64	100419	\$34.83
510	055515	\$275.54	100420	\$35.53
520	055516	\$281.00	100421	\$36.23
530	100868	\$286.49	100422	\$36.48
540	100869	\$291.96	100423	\$37.16
600	104720	\$297.45	103994	\$40.36
610	055517	\$315.81	100424	\$40.94
630	055518	\$320.89	100425	\$42.29
635	102179	\$331.38	103912	\$42.63
640	100870	\$334.00	100426	\$43.90
650	055519	\$336.61	100427	\$45.10
710			114119	\$48.36
810			113435	\$55.19
1050			114599	\$68.90

IN-STOCK KNIVES

- CENTORLOCK
- CENTROFIX
- CENTROSTAR
- QUICK FIX
- BULL DOZER

sales@ballewsaw.com 800-288-7483

STANDARD SPIRAL - UP OR DOWN CUT - TWO FLUTE					
U/C PART	D/C PART	CUT DIA	CEL	OAL	PRICE
1/4" SHANK					
RU1600	RD1600	1/8"	1/2"	2"	\$21.99
RU1700	RD1700	5/32"	5/8"	2"	\$22.97
RU1800	RD1800	3/16"	3/4"	2-1/2"	\$21.96
RU1900	RD1900	7/32"	3/4"	2-1/2"	\$22.53
RU2075	RD2075	1/4"	3/4"	2-1/2"	\$21.13
RU2100	RD2100	1/4"	1"	2-1/2"	\$21.96
5/16" SHANK					
RU3100	RD3100	5/16"	1"	2-1/2"	\$36.04
3/8" SHANK					
RU4075	RD4075	3/8"	3/4"	2-1/2"	\$33.78
RU4100	RD4100	3/8"	1"	2-1/2"	\$37.15
RU4125	RD4125	3/8"	1-1/4"	3"	\$39.42
1/2" SHANK					
RU4675	RD4675	1/4"	3/4"	3"	\$29.85
RU4700	RD4700	1/4"	1"	3-1/4"	\$32.10
RU4800	RD4800	9/32"	1"	3"	\$77.72
RU4850	RD4850	5/16"	1"	3"	\$59.12
RU4875	RD4875	3/8"	3/4"	3"	\$55.73
RU4900	RD4900	3/8"	1-1/4"	3"	\$59.12
RU4950	RD4950	7/16"	1-1/4"	3"	\$58.56
RU5100	RD5100	1/2"	1"	3"	\$52.94
RU5125	RD5125	1/2"	1-1/4"	3"	\$55.73
RU5150	RD5150	1/2"	1-1/2"	3-1/2"	\$59.70
RU5200	RD5200	1/2"	2"	4"	\$73.21
5/8" SHANK					
RU6150	RD6150	5/8"	1-1/2"	3-1/2"	\$129.52
RU6200	RD6200	5/8"	2"	4"	\$139.65
3/4" SHANK					
RU7150	RD7150	3/4"	1-1/2"	4"	\$130.64
RU7200	RD7200	3/4"	2"	4"	\$140.76
RU7300	RD7300	3/4"	3"	5"	\$191.45
RU7306	RD7306	3/4"	3"	6"	\$208.34



RU2100



RD5150

UP/DOWN CUT SPIRAL - 1 + 1 COMPRESSION - SINGLE FLUTE					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
UD2100	1/4"	1/4"	1"	2-1/2"	\$40.55
UD4125	3/8"	3/8"	1-1/4"	3"	\$69.83
UD5160	1/2"	1/2"	1-5/8"	3-1/2"	\$99.10



UD2100

UP/DOWN CUT SPIRAL - 2 + 2 COMPRESSION - TWO FLUTE					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
UD1602	1/4"	1/8"	1/2"	2-1/2"	\$40.49
UD2102	1/4"	1/4"	1"	2-1/2"	\$38.29
* UD4102M	3/8"	3/8"	1"	2-1/2"	\$65.31
UD4122	3/8"	3/8"	1-1/4"	3"	\$65.31
* UD4122M	3/8"	3/8"	1-1/4"	3"	\$69.83
UD5122	1/2"	1/2"	1-1/4"	3"	\$84.47
* UD5122M	1/2"	1/2"	1-1/4"	3"	\$90.09
UD5152	1/2"	1/2"	1-1/2"	3-1/2"	\$92.34
UD5162	1/2"	1/2"	1-5/8"	3-1/2"	\$92.34
* UD5162M	1/2"	1/2"	1-5/8"	3-1/2"	\$97.99
UD5202	1/2"	1/2"	2"	4"	\$101.36
UD5222	1/2"	1/2"	2-1/4"	5-1/2"	\$149.83
UD6152	5/8"	5/8"	1-1/2"	4"	\$189.19
UD7152	3/4"	3/4"	1-1/2"	4"	\$186.94
UD7202	3/4"	3/4"	2	5"	\$220.73



UD5152



UD5123M

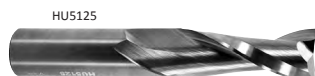
UP/DOWN CUT SPIRAL - 3 + 3 COMPRESSION - THREE FLUTE					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
UD4123	3/8"	3/8"	1-1/4"	3"	\$79.25
* UD4123M	3/8"	3/8"	1-1/4"	3"	\$83.34
UD5123	1/2"	1/2"	1-1/4"	3"	\$99.10
* UD5123M	1/2"	1/2"	1-1/4"	3"	\$105.36
UD5143	1/2"	1/2"	1-3/8"	3-1/2"	\$108.11
UD5163	1/2"	1/2"	1-5/8"	3-1/2"	\$108.11
* UD5163M	1/2"	1/2"	1-5/8"	3-1/2"	\$114.87

* Mortise Style - These bits have a short up-cut end flute. This design allows down shear cutting action to the top surface during shallow cuts.

HERCULES MAX LIFE SPIRALS

This series is named "Hercules" for its ability to hold up under severe loads.

- Engineered for Maximum Bit Life in High Wear Applications
- Ideal for long production runs in MDF and Laminated Materials



HU5125

UP CUT					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
HU4125	3/8"	3/8"	1-1/4"	3"	\$45.55
HU5125	1/2"	1/2"	1-1/4"	3"	\$67.83
DOWN CUT					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
HD4125	3/8"	3/8"	1-1/4"	3"	\$45.55
HD5125	1/2"	1/2"	1-1/4"	3"	\$67.83



HC5122M



UP/DOWN CUT - 2 + 2 COMPRESSION					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
HC4122	3/8"	3/8"	1-1/4"	3"	\$70.86
* HC4122M	3/8"	3/8"	1-1/4"	3"	\$74.92
HC5122	1/2"	1/2"	1-1/4"	3"	\$93.13
* HC5122M	1/2"	1/2"	1-1/4"	3"	\$98.20

* Mortise Style - Short up-cut flute for shallow dado cuts

SOLID CARBIDE IS NOT GUARANTEED AGAINST BREAKAGE



RU5125T

SPIRAL - UP CUT OR DOWN CUT - THREE FLUTE						
U/C PART	D/C PART	SHANK	CUT DIA	CEL	OAL	PRICE
RU4125T	RD4125T	3/8"	3/8"	1-1/4"	3"	\$42.80
RU5125T	RD5125T	1/2"	1/2"	1-1/4"	3"	\$58.56
RU5200T	RD5200T	1/2"	1/2"	2"	4"	\$76.58
RU7200T	RD7200T	3/4"	3/4"	2"	4"	\$157.66



RU5150S

SLOW SPIRAL - UP CUT OR DOWN CUT - THREE FLUTE						
U/C PART	D/C PART	SHANK	CUT DIA	CEL	OAL	PRICE
RU4100S	RD4100S	3/8"	3/8"	1"	2-1/2"	\$47.29
RU5100S	RD5100S	1/2"	1/2"	1"	3"	\$60.81
RU5150S	RD5150S	1/2"	1/2"	1-1/2"	3-1/2"	\$67.56
RU5150S-4		1/2"	1/2"	1-1/2"	4"	\$71.16



RU5150CB

CHIPBREAKER SPIRAL - UP CUT OR DOWN CUT - TWO FLUTE						
U/C PART	D/C PART	SHANK	CUT DIA	CEL	OAL	PRICE
RU5125CB	RD5125CB	1/2"	1/2"	1-1/4"	3"	\$69.83
RU5150CB	RD5150CB	1/2"	1/2"	1-1/2"	3-1/2"	\$73.21
RU5200CB	RD5200CB	1/2"	1/2"	2"	4"	\$86.71

The above items are available from stock with chipbreakers.
Chipbreakers can be added to any spiral bits upon request.



LD5125

LEFT HAND SPIRAL - UP CUT OR DOWN CUT - TWO FLUTE						
U/C PART	D/C PART	SHANK	CUT DIA	CEL	OAL	PRICE
LU1600	LD1600	1/4"	1/8"	1/2"	2"	\$27.03
LU1800	LD1800	1/4"	3/16"	3/4"	2-1/2"	\$27.03
LU2100	LD2100	1/4"	1/4"	1"	2-1/2"	\$25.34
LU3100	LD3100	5/16"	5/16"	1"	3"	\$49.56
LU4100	LD4100	3/8"	3/8"	1"	3"	\$49.56
LU5125	LD5125	1/2"	1/2"	1-1/4"	3"	\$63.06
LU5200	LD5200	1/2"	1/2"	2"	4"	\$90.09
LU6200	LD6200	5/8"	5/8"	2"	4"	\$245.50
LU7200	LD7200	3/4"	3/4"	2"	4"	\$197.07

SOLID CARBIDE IS NOT GUARANTEED AGAINST BREAKAGE

COMPARE WHITESIDE RU4000H to CASTLE B00338 page 42



RU5162H

ROUGHING SPIRAL HOGGERS - UP CUT OR DOWN CUT - THREE FLUTE					
U/C PART	D/C PART	CUT DIA	CEL	OAL	PRICE
3/8" SHANK					
* RU4000H-75		3/8"	3/4"	2-1/2"	\$45.02
* RU4000H		3/8"	1"	2-1/2"	\$57.43
RU4075H		3/8"	3/4"	3"	\$50.46
RU4100H	RD4100H	3/8"	1"	3"	\$61.93
RU4125H	RD4125H	3/8"	1-1/4"	3"	\$63.06
1/2" SHANK					
RU5125H	RD5125H	1/2"	1-1/4"	3"	\$101.36
RU5162H	RD5162H	1/2"	1-5/8"	3-1/2"	\$123.87
RU5218H	RD5218H	1/2"	2-3/16"	4"	\$159.92
5/8" SHANK					
RU6200H	RD6200H	5/8"	2"	4"	\$175.68
3/4" SHANK					
RU7200H	RD7200H	3/4"	2"	4"	\$207.21
RU7325H	RD7325H	3/4"	3-1/4"	6"	\$279.29

*For Castle and Porter Cable Pocket Machines



RU2075CN



RU2075CN

COVE NOSE SPIRAL - UP CUT - TWO FLUTE						
PART	SHANK	CUT DIA	CORNER RADIUS	CEL	OAL	PRICE
RU2075CN	1/4"	1/4"	1/16"	3/4"	2-1/2"	\$28.35
RU5125CN	1/2"	1/2"	1/8"	1-1/4"	3"	\$80.99



RU1800RN

RU2075RN



RU1800RN

BALL NOSE SPIRAL - UP CUT - TWO FLUTE						
PART	SHANK	CUT DIA	RADIUS	CEL	OAL	PRICE
RU1800RN	1/4"	3/16"	3/32"	3/4"	2-1/2"	\$28.35
RU2075RN	1/4"	1/4"	1/8"	3/4"	2-1/2"	\$26.32
RU4100RN	3/8"	3/8"	3/16"	1"	3"	\$59.36
RU5125RN	1/2"	1/2"	1/4"	1-1/4"	3"	\$76.93
RU5200RN	1/2"	1/2"	1/4"	2"	4"	\$95.31



SC64



SC66

CONICAL BALL NOSE SPIRAL - UP CUT - FOUR FLUTE						
PART	SHANK	BALL DIA	RADIUS	INCL ANGL	OAL	PRICE
SC64	1/4"	1/16"	1/32"	11 DEG	2-1/2"	\$54.66
SC66	1/4"	1/8"	1/16"	7 DEG	2-1/2"	\$54.66

ULTIMATE FLUSH TRIM BITS - The compression design provides the ultimate cut when using templates. These bits leave a crisp, clean edge on both the top and bottom edge of the workpiece.

(2 + 2) COMPRESSION


ULTIMATE FLUSH TRIM - 2 + 2 COMPRESSION					
PART	SHANK DIA	CUT DIA	CEL	OAL	PRICE
(A) UDFT9112	1/2"	7/8"	1-1/8"	3-3/4"	\$182.46
(B) UDP9112	1/2"	7/8"	1-1/8"	3-1/2"	\$195.50
(C) UDC9112	1/2"	7/8"	1-1/8"	3-3/4"	\$195.50

FLUSH TRIM SPIRAL BITS - These spiral bits offer state-of-the-art results in flush trimming. The 1/4" diameter tools are great for small inside corners. Try the 1/8" diameter for extremely sharp corners. The 1/8" bit uses a solid pilot. All others feature a double ball bearing guide. Available in your choice of Up Cut, Down Cut, or an Up/Down Combination.



FLUSH TRIM SPIRAL						
PART	SHANK	CUT DIA	CEL	OAL	PRICE	
UP CUT						
RFT1600	1/4"	1/8"	3/8"	2"	\$40.55	
RFT2100	1/4"	1/4"	1"	3"	\$45.05	
RFT5125	1/2"	1/2"	1-1/4"	3-3/4"	\$88.96	
RFT5200	1/2"	1/2"	2"	4-3/4"	\$105.86	
DOWN CUT						
RFTD1600	1/4"	1/8"	3/8"	2"	\$40.55	
RFTD2100	1/4"	1/4"	1"	3"	\$45.05	
RFTD5125	1/2"	1/2"	1-1/4"	3-3/4"	\$88.96	
RFTD5200	1/2"	1/2"	2"	4-3/4"	\$105.86	

UP/DOWN CUT - 2 + 2 COMPRESSION					
PART	SHANK DIA	CUT DIA	CEL	OAL	PRICE
UDFT2100	1/4"	1/4"	1"	3"	\$56.31
UDFT5152	1/2"	1/2"	1-1/2"	4-1/4"	\$132.89



UDFT5152

SOLID CARBIDE IS NOT GUARANTEED AGAINST BREAKAGE

METRIC SPIRALS - Two Flute - With Imperial or Metric Shank

RU2006

METRIC SPIRALS - IMPERIAL OR METRIC SHANK - TWO FLUTE					
IMPERIAL SHANK - UP CUT					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
RU1805	1/4"	5mm	3/4"	2-1/2"	\$23.66
RU2006	1/4"	6mm	7/8"	2-1/2"	\$23.66
RU4858	1/2"	8mm	1"	3"	\$61.27
RU4910	1/2"	10mm	1-1/8"	3"	\$61.27
RU4918	1/2"	10mm	1-3/4"	4"	\$72.98
METRIC SHANK - UP CUT					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
MU622	6mm	6mm	7/8"	2-1/2"	\$21.62
MU825	8mm	8mm	1"	3"	\$36.04
MU832	8mm	8mm	1-1/4"	3"	\$38.29
MU1032	10mm	10mm	1-1/4"	3-1/2"	\$39.64
MU1038	10mm	10mm	1-1/2"	4"	\$48.65
METRIC SHANK - DOWN CUT					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
MD622	6mm	6mm	7/8"	2-1/2"	\$21.62
MD825	8mm	8mm	1"	3"	\$36.04
MD832	8mm	8mm	1-1/4"	3"	\$38.29
MD1032	10mm	10mm	1-1/4"	3-1/2"	\$39.64
MD1038	10mm	10mm	1-1/2"	4"	\$48.65



MD1032

O-FLUTE SPIRALS - Plastic Cutting - Standard O-Flute Spiral Bits designed for most plastic and aluminum applications.

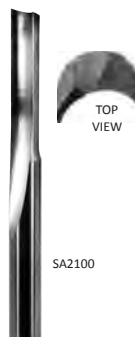
O-FLUTE SPIRALS - PLASTICS AND ALUMINUM CUTTING						
U/C PART	D/C PART	CUT DIA	FLUTES	CEL	OAL	PRICE
1/4" SHANK						
RU1581A		1/8"	1	1/4"	2"	\$28.35
RU1601A	RD1601A	1/8"	1	1/2"	2-1/2"	\$29.35
RU1602A		1/8"	1	5/8"	2-1/2"	\$33.92
RU1611A	RD1611A	1/8"	1	5/8"	4"	\$38.16
RU1701A		5/32"	1	5/8"	2-1/2"	\$30.37
RU1801A		3/16"	1	5/8"	2-1/2"	\$30.37
RU2074A	RU2074A	1/4"	1	3/4"	2-1/2"	\$27.12
RU2076A	RU2076A	1/4"	2	3/4"	2-1/2"	\$25.34
RU2111A		1/4"	1	1-1/8"	3"	\$30.37
RU2151A		1/4"	1	1-1/2"	3"	\$40.55
3/8" SHANK						
RU4102A		3/8"	2	1"	3"	\$39.21
RU4111A	RD4111A	3/8"	1	1-1/8"	3"	\$40.49
1/2" SHANK						
RU5121A		1/2"	1	1-1/4"	3"	\$87.07
RU5161A		1/2"	1	1-5/8"	3-1/2"	\$93.13
RU5201A		1/2"	1	2"	4"	\$99.21



TOP VIEW



RU4111A



O-FLUTE STRAIGHT - PLASTICS ROUTING - SINGLE FLUTE						
PART	SHANK	CUT DIA	CEL	OAL	PRICE	
SA1600	1/4"	1/8"	3/8"	2-1/2"	\$23.26	
SA1700	1/4"	5/32"	1/2"	2-1/2"	\$28.16	
SA1800	1/4"	3/16"	1/2"	2-1/2"	\$23.26	
SA1900	1/4"	7/32"	5/8"	2-1/2"	\$28.16	
SA2075	1/4"	1/4"	3/4"	2-1/2"	\$23.26	
SA2100	1/4"	1/4"	1"	3-1/2"	\$29.28	
SA4100	3/8"	3/8"	1"	3"	\$47.29	

FLAT BOTTOM VEINING						
PART	SHANK	CUT DIA	FLUTE	CEL	OAL	PRICE
SC062	1/4"	1/16"	1	3/16"	1-1/2"	\$16.90
SC33	1/4"	1/8"	2	1/4"	2"	\$16.05
SC156	1/4"	5/32"	2	3/8"	1-1/2"	\$16.43
SC34	1/4"	3/16"	2	3/8"	2"	\$17.12
SC35	1/4"	1/4"	2	1/2"	2"	\$18.87



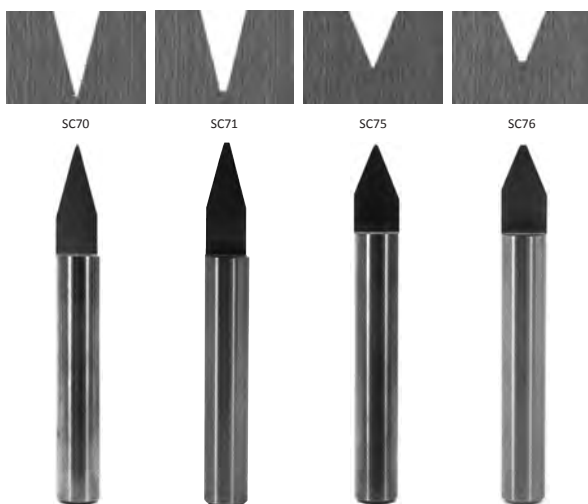
SOLID CARBIDE TRIM					
TRIM BITS	PART	SHANK DIA	CEL	OAL	PRICE
(A) STANDARD FLUSH TRIM 1/4" CUT LENGTH	SC28B	1/4"	1/4"	1-1/2"	\$10.69
	SC28B-20	20 pcs - BULK			\$180.00
	SC28B-50	50 pcs - BULK			\$420.00
	SC28B-100	100 pcs - BULK			\$750.00
(B) FLUSH TRIM 3/8" CUT LENGTH	SC28	1/4"	3/8"	1-1/2"	\$11.82
	SC28-20	20 pcs - BULK			\$200.00
	SC28-50	50 pcs - BULK			\$450.00
	SC28-100	100 pcs - BULK			\$799.00
(C) FLUSH TRIM DOUBLE END	SC28A	1/4"	1/4"	2"	\$17.73
(D) DADO TRIM SMALL PILOT FOR DADO	SC28C	1/4"	1/4"	1-1/2"	\$10.69
	SC28C-20	20 pcs - BULK			\$180.00
	SC28C-50	50 pcs - BULK			\$420.00
	SC28C-100	100 pcs - BULK			\$750.00
(E) 7 DEG BEVEL TRIM	SC29	1/4"	1/4"	1-1/2"	\$11.82
	SC29-20	20 pcs - BULK			\$200.00
	SC29-50	50 pcs - BULK			\$450.00
	SC29-100	100 pcs - BULK			\$799.00
(F) 7 DEG BEVEL TRIM DOUBLE END	SC29A	1/4"	1/4"	2"	\$19.13
(G) FLUSH & 7 DEG BEVEL TRIM W/O PILOT	SC30	1/4"	3/8"	1-1/2"	\$12.95
(H) HOLE & FLUSH TRIM PANEL PILOT	SC31	1/4"	3/8"	2"	\$14.36
(I) RIP & SLOTTING	SC32	1/4"	3/8"	1-1/2"	\$14.08

ROUND BOTTOM VEINING - TWO FLUTE						
PART	SHANK	CUT DIA	RADIUS	CEL	OAL	PRICE
SC39	1/4"	1/8"	1/16"	1/4"	2"	\$19.60
SC40	1/4"	3/16"	3/32"	3/8"	2"	\$19.04
SC41	1/4"	1/4"	1/8"	1/2"	2"	\$18.73



LINER BITS					
INCL ANGLE	PART	SHANK	POINT TYPE	OAL	PRICE
22 DEG	SC50	1/4"	PENCIL	2-1/2"	\$28.16
15 DEG	SC54	1/4"	1/16" FLAT	2-1/2"	\$30.37
15 DEG	SC55	1/4"	3/32"x 45 DEG	2-1/2"	\$32.40

SOLID CARBIDE IS NOT GUARANTEED AGAINST BREAKAGE



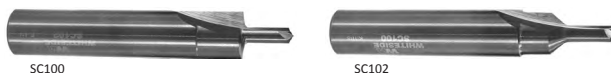
ENGRAVING BITS					
INCL ANGLE	PART	SHANK	POINT TYPE	OAL	PRICE
30 DEG	SC70	1/4"	PENCIL	2"	\$30.37
	SC71	1/4"	1/32" FLAT	2"	\$30.37
45 DEG	SC75	1/4"	PENCIL	2"	\$28.35
	SC76	1/4"	1/32" FLAT	2"	\$28.35



SOLID CARBIDE FIBERGLASS BITS					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
SC90	1/4"	1/4"	3/4"	2-1/2"	\$23.66
SC90V	1/4"	1/4"	3/4"	2-1/2"	\$24.78
SC91V	1/4"	1/4"	1"	3"	\$30.40

Note - Order SC90 for flat bottom plunge point.
SC90V & SC91V are supplied with a vee plunge point.

SCREW SLOT BITS - Use these solid carbide bits with a plunge router to cut slots for #8 screws. Screw slots allow for the seasonal movement of larger wooden parts such as table tops. These bits will also cut up to a 7/16" deep recess for the screw head.



SCREW SLOT BITS						
PART	SHANK	STYLE	CEL	LARGE DIA	OAL	PRICE
SC100	1/2"	82 DEG CSINK	15/16"	7/16"	3"	\$43.91
SC102	1/2"	FLAT CBORE	15/16"	1/2"	3"	\$43.91

SOLID CARBIDE IS NOT GUARANTEED AGAINST BREAKAGE

SOLID CARBIDE STRAIGHT BITS - SINGLE FLUTE					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
SC062	1/4"	1/16"	3/16"	1-1/2"	\$16.90
SC01	1/4"	1/16"	5/16"	1-1/2"	\$23.66
SC01A	1/4"	3/32"	5/16"	1-1/2"	\$23.66
SC02	1/4"	1/8"	3/8"	1-1/2"	\$15.76
SC03	1/4"	5/32"	5/8"	1-1/2"	\$17.35
SC04	1/4"	3/16"	1/2"	1-1/2"	\$17.23
SC05	1/4"	7/32"	3/4"	2"	\$19.04
SC06	1/4"	1/4"	3/4"	2"	\$20.41
SC07	1/4"	1/4"	1"	2-1/2"	\$22.97
SC08	1/4"	1/4"	1"	3"	\$27.36
SC17	5/16"	5/16"	1"	2-1/2"	\$36.04



SOLID CARBIDE STRAIGHT BITS - TWO FLUTE				
1/4" SHANK				
PART	CUT DIA	CEL	OAL	PRICE
SC33	1/8"	1/4"	2"	\$16.05
SC09	1/8"	3/8"	1-1/2"	\$16.01
SC09A	1/8"	3/8"	2"	\$16.90
SC156	5/32"	3/8"	1-1/2"	\$16.43
SC10	5/32"	5/8"	1-1/2"	\$16.92
SC10A	5/32"	5/8"	2"	\$17.73
SC34	3/16"	3/8"	2"	\$17.12
SC11	3/16"	1/2"	1-1/2"	\$17.35
SC11A	3/16"	1/2"	2"	\$18.25
SC12	3/16"	5/8"	2"	\$18.92
SC13	7/32" / 5.5mm	3/4"	2"	\$19.70
SC35	1/4"	1/2"	2"	\$18.87
SC14	1/4"	3/4"	2"	\$20.26
SC15	1/4"	1"	2-1/2"	\$24.51
SC16	1/4"	1"	3"	\$28.99
5/16" SHANK				
SC18	5/16"	1"	2-1/2"	\$36.50
3/8" SHANK				
SC19	3/8"	1"	2-1/2"	\$38.29
SC19A	3/8"	1-1/4"	3"	\$40.55
1/2" SHANK				
SC218	7/32" / 5.5mm	3/4"	2-3/4"	\$28.16
SC235	15/64" / 6mm	3/4"	2-3/4"	\$28.16
SC20	1/4"	3/4"	2-3/4"	\$29.85
SC21	1/4"	1"	3"	\$32.10
SC22	5/16"	1"	3"	\$40.55
SC23	3/8"	1"	3"	\$47.29
SC24	3/8"	1-1/4"	3"	\$50.67
SC25	1/2"	1"	3"	\$50.67
SC26	1/2"	1-1/4"	3"	\$52.94
SC27	1/2"	1-1/2"	3-1/2"	\$55.19





1/4" SHANK STRAIGHT BITS - CARBIDE TIP					
PART	CUT DIA	CEL	OAL	SPECIAL USE	PRICE
1/4" SHANK - SINGLE FLUTE					
1004	1/4"	3/4"	2-1/4"		\$14.22
1005	1/4"	1"	2-1/2"		\$14.65
1007	1/4"	1"	3-1/4"	AIR ROUTER	\$14.99
1008	9/32"	3/4"	2-1/4"		\$15.88
1/4" SHANK - TWO FLUTE					
1012	1/4"	1/2"	2"		\$16.91
1013	1/4"	3/4"	2-1/4"	INCRA	\$16.65
1014	1/4"	1"	2-1/2"		\$17.26
1016	1/4"	1"	3"		\$18.44
1016-01	1/4"	1"	3-1/4"	AIR ROUTER	\$19.51
1018	9/32"	1"	3"		\$19.51
1019	5/16"	1"	2-1/2"	OMNIJIG #43300	\$18.56
1020	5/16"	1"	2-3/4"	LEIGH #140	\$19.18
1020x8	5/16"	1"	2-3/4"	LEIGH #140-8mm SHK	\$22.59
1021	3/8"	3/4"	2-1/4"		\$18.56
1022	3/8"	1"	2-1/2"	INCRA	\$19.51
1023	3/8"	1-1/4"	2-3/4"		\$22.56
1023A	13/32"	1"	2-1/2"		\$20.71
1024	7/16"	1"	2-1/2"		\$21.29
1024A	31/64"	3/4"	2-1/4"	PLYWOOD DADO	\$21.41
1025	1/2"	3/4"	2-1/4"		\$19.04
1026	1/2"	1"	2-1/2"	OMNIJIG #43318	\$20.22
1027	9/16"	3/4"	2-1/4"		\$21.41
1027A	19/32"	3/4"	2-1/4"	PLYWOOD DADO	\$21.41
1028	5/8"	3/4"	2-1/8"		\$21.37
1029	11/16"	3/4"	2-1/8"		\$24.45
1029A	23/32"	3/4"	2-1/8"	PLYWOOD DADO	\$24.45
1030	3/4"	3/4"	2-1/8"		\$22.32
1031	3/4"	1"	2-5/8"		\$24.88
1033	1"	3/4"	2-1/8"		\$27.96
1303	1-1/4"	1/2"	2-1/8"	MORTISING	\$31.95



1/2" SHANK STRAIGHT BITS - CARBIDE TIP					
PART	CUT DIA	CEL	OAL	SPECIAL USE	PRICE
1/2" SHANK - SINGLE FLUTE					
1049	3/8"	1"	2-5/8"		\$17.79
1050	3/8"	1-1/4"	2-7/8"		\$19.49
1051	1/2"	3/4"	2-3/8"	MIDWEST MACHINE	\$17.26
1052	1/2"	1-1/4"	2-7/8"		\$18.15
1054	1/2"	1-1/2"	3-1/8"		\$19.34
1055	1/2"	2"	4-1/8"		\$23.20
1055A	1/2"	2-1/2"	4-3/8"		\$29.54
1/2" SHANK - TWO FLUTE					
1058	1/4"	3/4"	2-3/8"	INCRA	\$21.05
1059	9/32"	3/4"	2-3/8"		\$21.05
1060	5/16"	1"	2-5/8"		\$21.71
1061	3/8"	3/4"	2-3/8"		\$18.62
1062	3/8"	1"	2-5/8"	INCRA	\$20.54
1063	3/8"	1-1/4"	2-7/8"		\$22.56
1064A	13/32"	1"	2-1/2"	PC DOVETAIL JIG	\$20.71
1065	7/16"	1-1/4"	2-7/8"		\$20.97
1065L	7/16"	1-1/4"	3-1/4"	LEIGH #150	\$22.27
1065A	31/64"	1"	2-5/8"	CARBIDE BORING POINT	\$19.51
1066	1/2"	1"	2-5/8"		\$19.51
1067	1/2"	1-1/4"	2-7/8"	LEIGH #160	\$20.12
1067F	1/2"	1-1/4"	2-7/8"	CARBIDE BORING POINT	\$29.33
1069	1/2"	1-1/2"	2-7/8"		\$21.67
1069DS	1/2"	1-1/2"	3-1/8"	DOWN SHEAR	\$25.99
1070	1/2"	1-1/2"	4-1/8"		\$24.44
1071	1/2"	2"	3-1/2"		\$29.84
1072	1/2"	2"	4-1/8"		\$30.56
1073	1/2"	2-1/2"	4-3/8"		\$39.65
1073-01	1/2"	2-1/2"	5-1/2"		\$42.84
1074	17/32"	1-1/4"	2-7/8"		\$23.73
1075	9/16"	1-1/4"	3"		\$22.13
1075A	19/32"	3/4"	2-1/4"	PLYWOOD DADO	\$23.27
1076	5/8"	1"	2-1/2"		\$21.18
1076F	5/8"	1"	2-1/2"	CARBIDE BORING POINT	\$31.42
1077	5/8"	1-1/4"	3"		\$22.13
1078	5/8"	1-1/2"	3"		\$23.73
1079	5/8"	2"	4"		\$37.22
1080	21/32"	1-1/4"	3"		\$26.56
1082	11/16"	1"	2-1/2"		\$23.73
1083	11/16"	1-1/4"	3"		\$24.88
1083A	23/32"	1"	2-1/2"	PLYWOOD DADO	\$23.73
1302A	3/4"	1-1/4"	2-1/4"	MORTISING	\$23.08
1084	3/4"	5/8"	2-3/4"		\$23.08
1085	3/4"	1-1/4"	3"		\$23.73
1085F	3/4"	1-1/4"	3"	CARBIDE BORING POINT	\$33.80
1086	3/4"	1-1/2"	3-1/4"		\$26.89
1087	3/4"	2"	3-5/8"		\$37.13
1088	25/32"	1-1/4"	3"		\$25.47
1090	13/16"	1-1/4"	3"		\$26.77
1091	7/8"	1-1/4"	3"		\$26.77
1092	15/16"	1-1/4"	3"		\$30.94
1093	1"	1-1/4"	3"		\$29.65
1093F	1"	1-1/4"	3"	CARBIDE BORING POINT	\$39.65
1094	1"	1-1/2"	3"		\$31.82
1095	1"	2"	3-3/4"		\$43.43
1096	1-1/8"	1-1/2"	3"		\$39.56
1304	1-1/4"	1/2"	2-1/8"	MORTISING	\$27.66
1097	1-1/4"	1-1/2"	3"		\$38.08
1098	1-3/8"	1-1/4"	3"		\$44.62
1099	1-1/2"	1-1/4"	3"		\$47.12
1100	1-3/4"	1-1/4"	3"		\$67.82
1101	2"	1-1/4"	3"		\$72.48



3/8" SHANK STRAIGHT BITS - CARBIDE TIP					
PART	CUT DIA	CEL	OAL	SPECIAL USE	PRICE
3/8" SHANK - SINGLE FLUTE					
1035	3/8"	1"	2-5/8"		\$17.79
1036	3/8"	1-1/4"	2-7/8"		\$20.94
3/8" SHANK - TWO FLUTE					
1039	3/8"	1"	2-5/8"		\$20.54
1040	3/8"	1-1/4"	2-7/8"		\$21.90
1041	3/8"	1-1/4"	3-5/8"	AIR ROUTER	\$22.68
1043	1/2"	1"	2-1/2"		\$21.77
1045	7/8"	1"	2-1/2"		\$28.56

CARBIDE TIP - STRAIGHTS

WHITESIDE

CNC ROUTER BITS STRAIGHT CUT - designed to meet the severe applications of CNC routing. These tools offer superior performance over standard straight flute bits at the high feed rates commonly found on CNC routers. They also provide an economical alternative to the more expensive spiral bits. For the ultimate in CNC routing, choose from Whiteside's wide selection of Solid Carbide Spiral Bits. Use on CNC Routers only.



CNC ROUTER BITS STRAIGHT CUT - CARBIDE TIP					
PART	CUT DIA	FLUTE	CEL	OAL	PRICE
1/2" SHANK					
C1052	1/2"	1	1-1/4"	2-7/8"	\$23.16
C1055	1/2"	1	2"	4-1/8"	\$28.56
C1067	1/2"	2	1-1/4"	2-7/8"	\$24.49
C1069	1/2"	2	1-1/2"	3-1/8"	\$26.93
C1072	1/2"	2	2"	4-1/8"	\$38.08
5/8" SHANK					
C6310	5/8"	2	1-1/4"	3"	\$35.11
C6320	5/8"	2	2"	4"	\$42.84
3/4" SHANK					
* 1260	3/4"	1+1	2"	5"	\$39.98
C7512	3/4"	2	1-1/4"	3"	\$35.11
C7515	3/4"	2	1-1/2"	3-1/4"	\$38.08
C7520	3/4"	2	2"	4"	\$45.22
C7520F	3/4"	2	2"	4"	\$57.12
C7520V	3/4"	2	2"	4"	\$60.68
* 1270	3/4"	1+1	2"	4"	\$39.98
C7525	3/4"	2	2-1/2"	4-1/2"	\$49.97
C7525F	3/4"	2	2-1/2"	4-1/2"	\$61.87
C8820V	7/8"	2	2"	4"	\$49.97
C1108	1"	2	1-1/2"	3-1/4"	\$41.65
C1109	1"	2	2"	4-1/4"	\$52.36

F - Supplied with Carbide Flat Bottom Boring Point
V - Supplied with Carbide Vee Bottom Boring Point
* 1260 and 1270 are 1+1 Compression Bits

LEFT HAND STRAIGHT CUT - DOUBLE FLUTE					
PART	CUT DIA	CEL	OAL	PRICE	
1/4" SHANK					
1014LH	1/4"	1"	2-1/2"	\$29.22	
1/2" SHANK					
1062LH	3/8"	1"	2-5/8"	\$35.69	
1066LH	1/2"	1"	2-5/8"	\$38.67	
1069LH	1/2"	1-1/2"	3-1/8"	\$45.81	
1072LH	1/2"	2"	4-1/8"	\$54.73	
1085LH	3/4"	1-1/4"	3"	\$45.22	
3/4" SHANK					
1105LH	3/4"	2"	5"	\$52.36	
* 1126LH	3/4"	2-1/2"	5"	\$57.12	
* 1128LH	3/4"	2-1/2"	5-1/2"	\$59.50	

1069LH

* Recommended for "Topmaster" machines.
NOTE: Left Hand Spiral Bits also available.

For UNDERSIZED PLYWOOD



1027A



STRAIGHT CUT CABINET DADO BITS - CARBIDE TIP					
PART	CUT DIA	PLYWD SIZE	CEL	OAL	PRICE
1/4" SHANK - TWO FLUTE					
* SC13	7/32"	1/4" / 5.5mm	3/4"	2"	\$19.70
1024A	31/64"	1/2"	3/4"	2-1/4"	\$25.19
1027A	19/32"	5/8"	3/4"	2-1/4"	\$25.19
1029A	23/32"	3/4"	3/4"	2-1/8"	\$28.77
1/2" SHANK - TWO FLUTE					
* SC218	7/32"	1/4" / 5.5mm	3/4"	2-3/4"	\$28.16
* SC235	15/64"	15/64" / 6mm	3/4"	2-3/4"	\$28.16
1065A	31/64"	1/2"	1"	2-5/8"	\$22.95
1075A	19/32"	5/8"	3/4"	2-1/4"	\$27.38
1083A	23/32"	3/4"	1"	2-1/2"	\$27.92

* Solid Carbide

TEMPLATE BITS - BALL BEARING GUIDE - CARBIDE TIP					
PART	CUT DIA	CEL	OAL	BEARING	PRICE
1/4" SHANK					
* 3000A	1/2"	1/8"	1-3/4"	B9	\$26.77
* 3000	1/2"	1/4"	1-7/8"	B9	\$25.59
3001	1/2"	1/2"	2"	B9	\$26.77
3002	1/2"	3/4"	2-1/4"	B9	\$27.96
3004	1/2"	1"	2-1/2"	B9	\$28.80
* 3006	5/8"	1/4"	1-3/4"	B6	\$27.96
K41	5/8"	1/2"	2-1/4"	B6	\$35.69
K43	5/8"	3/4"	2-1/2"	B6	\$38.08
3008	5/8"	1"	2-1/2"	B6	\$35.11
* 3010	3/4"	1/4"	1-3/4"	B4	\$27.96
3012	3/4"	3/4"	2-3/8"	B4	\$33.91
3014	3/4"	1"	2-5/8"	B4	\$35.64
3/8" SHANK					
3015	7/8"	1"	2-5/8"	B12	\$45.22
1/2" SHANK					
3016	1-1/8"	1"	3"	B11	\$45.22
3018	1-1/8"	1-1/2"	3-1/2"	B11	\$50.58
3019	1-1/8"	2"	4"	B11	\$65.44
** 3020	3/4"	1"	2-3/4"	B19	\$38.08
** 3021	3/4"	1-1/4"	3"	B19	\$40.46
** 3022	3/4"	1-1/2"	3-1/4"	B19	\$44.62
3022A	7/8"	1-1/2"	3-1/2"	B13	\$44.62
** 3023	3/4"	2"	3-5/8"	B19	\$54.73

* Dado Clean out bits to square the bottom of dado cuts made on a table saw.

*** Whiteside recommends using bits over 3/4" diameter in 1/2" shank whenever possible due to the fragile nature of the B19 bearing.



3008



1203

STAGGERTOOTH BITS - STRAIGHT FLUTE					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
1201	1/2"	3/8"	1-1/2"	3-1/8"	\$24.04
1203	1/2"	1/2"	2-1/8"	4"	\$27.96
1205	1/2"	1/2"	2-5/8"	5-1/2"	\$57.76



1301

MORTISE BITS					
PART	SHANK	CUT DIA	CEL	OAL	PRICE
1300	1/4"	1/2"	3/4"	2-1/8"	\$19.58
1301	1/4"	5/8"	3/4"	2-1/8"	\$21.85
1302	1/4"	3/4"	3/4"	2-1/8"	\$22.68
1303	1/4"	1-1/4"	1/2"	2-1/8"	\$31.95
1302A	1/2"	3/4"	5/8"	2-1/4"	\$23.08
1304	1/2"	1-1/4"	1/2"	2-1/8"	\$27.66

EURO STEP MORTISE BITS - These bits are designed to route the mortise with groove in a door edge to accept eurogroove lock hardware.

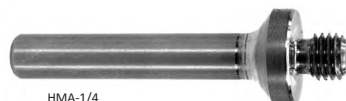


1253

EURO STEP MORTISE BITS					
PART	SHANK	SML DIA	LARGE DIA	HARDWARE	PRICE
1253	1/2"	0.500"	0.630"	HOPPE	\$85.68
1255	1/2"	0.486"	0.642"	GU	\$85.68



13-750



HMA-1/4

HELIX MORTISE CUTTERS/ARBORS				
PART	SHANK	THREAD	OAL	PRICE
HMA-1/4	1/4"	1/4"-28	1-3/4"	\$5.62
HMA-1/2	1/2"	1/4"-28	1-3/4"	\$5.62
* HMA-1/4A	1/4"	5/16"-24	1-3/4"	\$5.62
* HMA-1/2A	1/2"	5/16"-24	1-3/4"	\$5.62

* Fits 13-1250A only

SCREW TYPE HELIX MORTISE - WITH DOWNSHEAR CUTTER ONLY					
PART	CUT DIA FRAC	CUT DIA DEC	CEL	OAL	PRICE
13-500	1/2"	.500"	5/8"	7/8"	\$27.43
13-515	33/64"	.515"	5/8"	7/8"	\$27.43
13-531	17/32"	.531"	5/8"	7/8"	\$27.43
13-562	9/16"	.562"	5/8"	7/8"	\$27.43
13-625	5/8"	.625"	5/8"	7/8"	\$27.43
13-640	41/64"	.640"	5/8"	7/8"	\$27.43
13-656	21/32"	.656"	5/8"	7/8"	\$28.80
13-687	11/16"	.687"	5/8"	7/8"	\$28.80
13-719	23/32"	.719"	5/8"	7/8"	\$28.80
13-750	3/4"	.750"	5/8"	7/8"	\$28.80
13-765	49/64"	.765"	5/8"	7/8"	\$28.80
13-781	25/32"	.781"	5/8"	7/8"	\$28.80
13-812	13/16"	.812"	5/8"	7/8"	\$28.80
13-875	7/8"	.875"	5/8"	7/8"	\$28.80
13-937	15/16"	.937"	5/8"	7/8"	\$31.17
13-1000	1"	1"	1/2"	1/2"	\$31.17
13-1125	1-1/8"	1.125"	1/2"	1/2"	\$31.17
13-1250	1-1/4"	1.25"	1/2"	1/2"	\$31.17
* 13-1250A	1-1/4"	1.25"	1/2"	1/2"	\$31.17

* 13-1250A supplied with 5/16"-24 threads.

All others supplied with 1/4"-28 threads.

Special cutting diameters available by special order.

BOWL & TRAY - ROUND NOSE - HALF ROUND - PLUNGE CUT - OVAL EDGE WHITESIDE



1372

BOWL AND TRAY BITS					
PART	CUT DIA	RADIUS	CEL	OAL	PRICE
1/4" SHANK					
1370	7/16"	1/8"	5/16"	2-1/8"	\$28.56
1372	3/4"	1/4"	5/8"	2-3/8"	\$29.75
* 1372B	3/4"	1/4"	5/8"	2-3/8"	\$35.11
1/2" SHANK					
1374	3/4"	1/4"	5/8"	2-3/8"	\$29.75
* 1374B	3/4"	1/4"	5/8"	2-3/8"	\$39.19
1376	1-1/4"	1/4"	1/2"	2-1/4"	\$40.60
* 1376B	1-1/4"	1/4"	1/2"	2-1/4"	\$42.84

* Supplied with bearing on shank for pattern template routing.

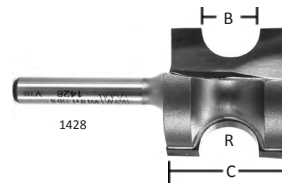
ROUND NOSE (CORE BOX)					
PART	CUT DIA	RADIUS	CEL	OAL	PRICE
1/4" SHANK					
* SC39	1/8"	1/16"	1/4"	2"	\$19.60
* SC40	3/16"	3/32"	3/8"	2"	\$19.04
* SC41	1/4"	1/8"	1/2"	2"	\$18.73
1403	3/8"	3/16"	1/2"	2"	\$23.17
1404	1/2"	1/4"	5/8"	2-1/4"	\$27.92
1405	5/8"	5/16"	3/8"	2"	\$28.88
1406	3/4"	3/8"	7/16"	2"	\$29.44
1/2" SHANK					
1407	3/8"	3/16"	1"	2-5/8"	\$32.08
1408	1/2"	1/4"	1-1/4"	2-7/8"	\$33.85
1410	5/8"	5/16"	1-1/4"	2-7/8"	\$36.88
1411	3/4"	3/8"	1-1/4"	2-7/8"	\$42.24
1412	7/8"	7/16"	1-1/4"	2-7/8"	\$53.54
1413	1"	1/2"	1-1/4"	2-7/8"	\$54.73
1414	1-1/4"	5/8"	1-1/4"	3"	\$59.50
1415	1-1/2"	3/4"	1-1/4"	3"	\$77.35
1416	1-3/4"	7/8"	1-1/4"	3"	\$111.85
1417	2"	1"	1-1/4"	3"	\$117.80
3/4" SHANK					
1420	3/4"	3/8"	2"	4"	\$97.57

* Solid Carbide.



1404B

ROUND NOSE WITH BEARING GUIDE					
PART	CUT DIA	RADIUS	CEL	BEARING	PRICE
1/4" SHANK					
1404B	1/2"	1/4"	5/8"	B9	\$35.46
1405B	5/8"	5/16"	3/8"	B6	\$35.46
1406B	3/4"	3/8"	7/16"	B4	\$35.46

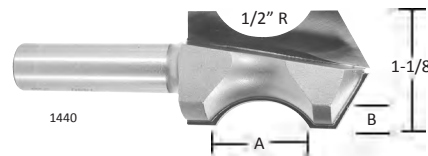


1428



HALF ROUND (BULL NOSE)					
PART	RADIUS	CUTTER OPENING	CEL	LARGE DIA	PRICE
1/4" SHANK					
1425	3/32"	3/16"	1/2"	3/4"	\$35.69
1426	1/8"	1/4"	9/16"	7/8"	\$35.69
1427	3/16"	3/8"	7/8"	1"	\$42.84
1428	1/4"	1/2"	1"	1-1/8"	\$54.73
1/2" SHANK					
1429	3/32"	3/16"	1/2"	3/4"	\$35.69
1430	1/8"	1/4"	9/16"	7/8"	\$35.69
1431	3/16"	3/8"	7/8"	1"	\$41.65
1432	1/4"	1/2"	1"	1-1/8"	\$53.54
1432A	5/16"	5/8"	1"	1-1/4"	\$66.63
1433	3/8"	3/4"	1-1/4"	1-5/8"	\$80.91
1433A	7/16"	7/8"	1-1/2"	1-7/8"	\$89.25
1434	1/2"	1"	1-1/2"	1-15/16"	\$89.25
1434A	9/16"	1-1/8"	1-1/2"	1-15/16"	\$107.10
1435	5/8"	1-1/4"	1-3/4"	2-3/16"	\$107.10
1436	3/4"	1-1/2"	1-7/8"	2-7/16"	\$166.58

Note - Large diameter minus "B" opening equals small diameter.

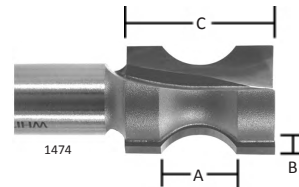


1440



PLUNGE CUT HAND GRIP					
PART	SHANK DIA	BEAD OPENING	BEAD DEPTH	CEL	PRICE
1440	1/2"	7/8"	1/4"	1-3/8"	\$61.87

Use with B11 bearing and LC-1/2 lock collar on shank for guide template routing.



1474



OVAL EDGE (HALF BULL NOSE)					
PART	SHANK DIA	BEAD OPENING	BEAD DEPTH	CEL	PRICE
1470	1/2"	7/8"	5/32"	1-1/4"	\$47.60
1474	1/2"	1/2"	1/8"	1"	\$38.67
1476	1/2"	3/4"	3/16"	1-1/4"	\$50.58
1478	1/2"	1"	3/16"	1-1/4"	\$59.50
1480	1/2"	1-1/2"	1/4"	1-3/4"	\$73.78

WHITESIDE V GROOVE - PANEL - COVE - POINT CUTTING ROUNDOVER



90 DEG INCLUDED ANGLE - V GROOVE				
PART	CUT DIA	POINT LENGTH	OAL	PRICE
1/4" SHANK				
* 1500	1/4"	1/8"	1-1/2"	\$17.12
1501	3/8"	3/16"	1-7/8"	\$21.35
1502	1/2"	1/4"	1-7/8"	\$24.99
1/2" SHANK				
1503	1/2"	1/4"	2"	\$26.18
1504	3/4"	3/8"	2-1/4"	\$49.26
1506	1"	1/2"	2-1/4"	\$54.73
1508	1-1/2"	3/4"	2-5/8"	\$77.35

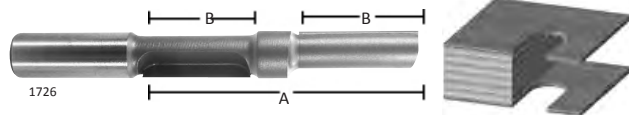
* Solid Carbide
Not for Miter Folding

PANEL BITS - PILOT PLUNGE POINT					
PART	SHANK DIA	CUT DIA	CEL	OAL	PRICE
SINGLE FLUTE					
1700	1/4"	1/4"	3/4"	2-5/8"	\$14.23
1700-01	1/4"	1/4"	7/8"	2-5/8"	\$17.47
1701	3/8"	3/8"	1-1/8"	3-3/8"	\$19.04
1701A	3/8"	3/8"	1"	3"	\$19.04
1702	1/2"	1/2"	1-1/4"	4"	\$19.04
1702A	1/2"	1/2"	1-1/4"	3-5/8"	\$17.85
TWO FLUTE					
1704	1/4"	3/8"	1"	3-1/4"	\$27.61
1705	3/8"	3/8"	1"	3"	\$27.61
1706	1/2"	1/2"	1-1/4"	4"	\$30.94

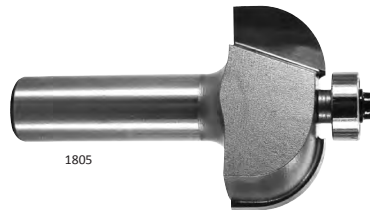


60 DEG INCLUDED ANGLE - V GROOVE				
PART	CUT DIA	POINT LENGTH	OAL	PRICE
1/4" SHANK				
* 1540	1/4"	7/32"	1-1/2"	\$17.12
* 1541	1/4"	7/32"	2"	\$20.51
1550	1/2"	7/16"	2"	\$26.18
1/2" SHANK				
1560	1/2"	7/16"	2-1/4"	\$27.38

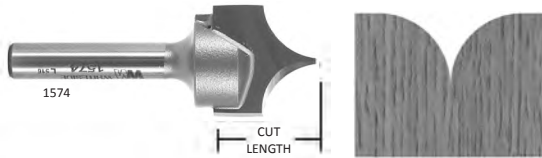
* Solid Carbide
Note: 1541 is Solid Carbide with three flutes for improved veining



STAGGER TOOTH PANEL BIT - WITH CENTER PILOT - 1/2" SHANK						
PART	SHANK DIA	CUT DIA	CEL	FLUTE LENGTH	OAL	PRICE
1726	1/2"	1/2"	2-3/4"	1-1/8"	4-1/4"	\$47.60



POINT CUTTING ROUNDOVERS ARE NOT GUARANTEED AGAINST BREAKAGE

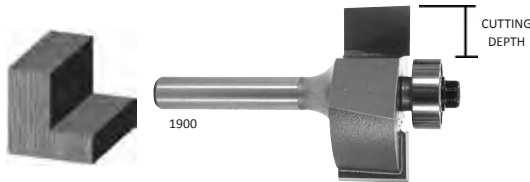


POINT CUTTING ROUNDOVER - DECORATIVE TRIMMING AND LETTERING					
PART	CUT DIA	RADIUS	CEL	OAL	PRICE
1/4" SHANK					
1568	1/4"	1/8"	1/4"	2"	\$35.24
1570	3/8"	3/16"	1/2"	2"	\$29.40
1572	1/2"	1/4"	1/2"	2"	\$31.49
1574	3/4"	3/8"	5/8"	2"	\$39.89
1/2" SHANK					
1580	3/4"	3/8"	5/8"	2-1/4"	\$39.89
1582	1"	1/2"	3/4"	2-3/8"	\$70.00

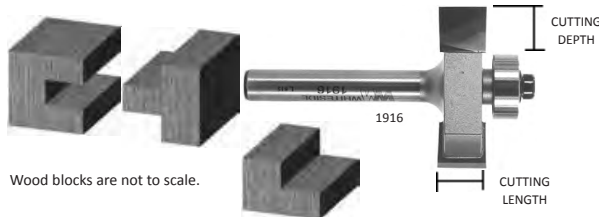
COVE BITS					
PART	RADIUS	LARGE DIA	CEL	BEARING	PRICE
1/4" SHANK					
1800A	3/16"	7/8"	1/2"	B3	\$30.94
1800	1/4"	1"	1/2"	B3	\$30.94
1801	3/8"	1-1/4"	1/2"	B3	\$33.91
1802	1/2"	1-1/2"	5/8"	B3	\$38.08
1/2" SHANK					
1803	1/4"	1"	1/2"	B3	\$30.94
1804	3/8"	1-1/4"	1/2"	B3	\$33.91
1805	1/2"	1-1/2"	5/8"	B3	\$38.08
1806	5/8"	1-3/4"	3/4"	B3	\$60.68
1807	3/4"	2"	7/8"	B3	\$69.01
1810	1"	2-1/2"	1"	B3	\$107.10

RABBETING & SLOTTING BITS & SETS - BISCUIT JOINING

WHITESIDE



RABBET BITS					
PART	LARGE DIA	CEL	CUT DEPTH	BEARING	PRICE
1/4" SHANK					
1880	7/8"	1/2"	1/4"	B2	\$26.74
1900	1-1/4"	1/2"	3/8"	B3	\$29.15
1951	1-3/8"	1/2"	1/2"	B2	\$32.12
1/2" SHANK					
1885	7/8"	5/8"	1/4"	B2	\$26.74
1901	1-1/4"	1/2"	3/8"	B3	\$29.15
1954	1-3/8"	1/2"	1/2"	B2	\$31.54
1959	1-7/8"	1"	3/4"	B2	\$61.87

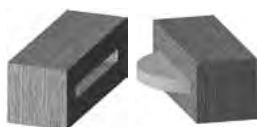


Wood blocks are not to scale.

SLOTTING & RABBETING					
PART	LARGE DIA	CEL	CUT DEPTH	OAL	PRICE
1/4" SHANK					
1904	1-1/4"	1/8"	3/8"	2"	\$28.56
* 1908	1-1/2"	5/32"	1/2"	1-3/4"	\$24.99
1912	1-1/4"	1/4"	3/8"	2"	\$26.77
1916	1-1/4"	3/8"	3/8"	2"	\$29.75
1920	1-1/2"	1/2"	1/2"	2"	\$32.73
1/2" SHANK					
1906	1-1/4"	1/8"	3/8"	2"	\$28.56
* 1910	1-1/2"	5/32"	1/2"	2"	\$24.99
1914	1-1/4"	1/4"	3/8"	2"	\$26.77
1918	1-1/4"	3/8"	3/8"	2-1/8"	\$29.75
1922	1-1/2"	1/2"	1/2"	2-1/4"	\$32.73
1924	1-1/4"	3/4"	3/8"	2-1/2"	\$36.88

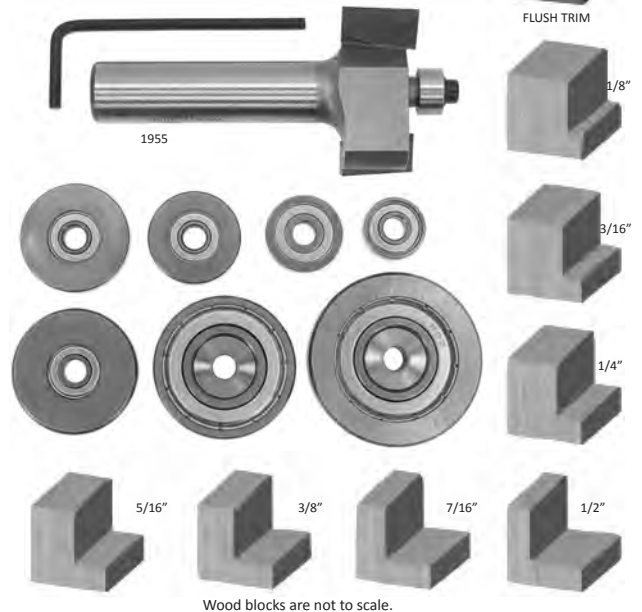
* Proper Size for Biscuit Joining
B3 Bearing supplied

BISCUIT JOINING KIT - This kit contains 5/32" Rabbeting Bit with 1/2" B3 bearing for cutting slots to fit #20 Biscuits. Also includes alternate bearings B1 and B15 to cut slots for #0 and #10 Biscuits. Hex Wrench included.



BISCUIT JOINING KIT		
PART	DESCRIPTION	PRICE
1940	1/4" SHANK KIT	\$38.67
1945	1/2" SHANK KIT	\$38.67

MULTI RABBET SET - Change your Rabbet depth by changing the bearing! Set includes all eight bearings to make each of the cuts shown. Hex Wrench included.

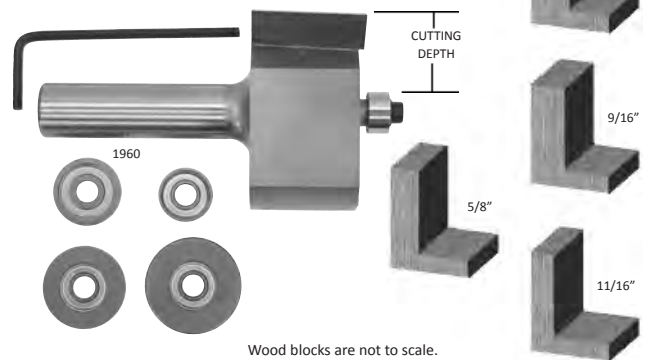


Wood blocks are not to scale.

MULTI RABBET SET				
PART	LARGE DIA	CEL	DESCRIPTION	PRICE
1952	1-3/8"	1/2"	1/4" SHANK SET	\$69.01
1955	1-3/8"	1/2"	1/2" SHANK SET	\$69.01

Sets are organized and protected in a plastic case.

DEEP MULTI RABBET SET - The largest Rabbet Bit in a set with five bearings. Make those extra deep Rabbet cuts as shown. Hex Wrench included.

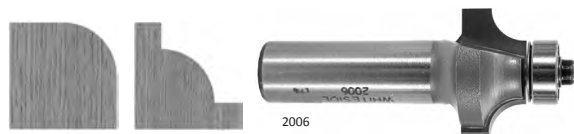


Wood blocks are not to scale.

DEEP MULTI RABBET SET				
PART	LARGE DIA	CEL	DESCRIPTION	PRICE
1960	1-7/8"	1"	1/2" SHANK SET	\$80.91

Sets are organized and protected in a plastic case.

BB501 - Bearing kit with wrench. See page 238. Increase the versatility of your Rabbeting Bits by simply changing the bearing size to vary your cutting depth. This set allows 1/4", 5/16", 3/8", & 7/16" cutting depth on all 1-1/4" bits or 3/8", 7/16", 1/2", & 9/16" cutting depth on all 1-1/2" bits.



ROUNDROVER & BEADING - BALL BEARING GUIDE					
ROUNDROVER	BEADING	RADIUS	LARGE DIA	CEL	PRICE
1/4" SHANK					
2000A	2100A	1/16"	5/8"	1/2"	\$27.38
2000B		3/32"	11/16"	1/2"	\$29.15
2000C	2100C	1/8"	3/4"	1/2"	\$26.77
2000D	2100D	5/32"	13/16"	1/2"	\$29.75
2000	2100	3/16"	7/8"	1/2"	\$27.96
2001	2101	1/4"	1"	1/2"	\$27.96
2002	2102	5/16"	1-1/8"	1/2"	\$30.94
2003	2103	3/8"	1-1/4"	5/8"	\$30.94
2004	2104	1/2"	1-1/2"	3/4"	\$38.08
1/2" SHANK					
2005C	2105C	1/8"	3/4"	1/2"	\$26.77
2005	2105	3/16"	7/8"	1/2"	\$29.15
2006	2106	1/4"	1"	1/2"	\$27.96
2007	2107	5/16"	1-1/8"	1/2"	\$30.94
2008	2108	3/8"	1-1/4"	5/8"	\$30.94
2008A		7/16"	1-3/8"	5/8"	\$41.65
2009	2109	1/2"	1-1/2"	3/4"	\$38.08
2009A		5/8"	1-3/4"	1"	\$61.87
2009B		9/16"	1-5/8"	3/4"	\$49.97
2010	2110	3/4"	2"	1"	\$67.82
2011		7/8"	2-1/4"	1-1/8"	\$116.61
2012		1"	2-1/2"	1-5/16"	\$130.55
2014		1-1/4"	3-1/4"	1-3/4"	\$176.11
2015		1-3/8"	3-1/2"	1-3/4"	\$192.76
2016		1-1/2"	3-3/4"	1-7/8"	\$192.76

Bearing: Use B2 for Beading.
Use B3 for Roundover.
Use B4 for 2013 thru 2016

ROUNDROVER BITS SMALL PILOT - Extra small brass pilot (5/32" dia.) allows these bits to roundover edges on finely detailed workpieces with intricate contours, tight confines, and narrow openings. These bits give professional results without all the tedious hand sanding. Carbide cutting edges far outlast comparable high speed steel bits.



ROUNDROVER BITS - SMALL PILOT					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
1978	1/16"	3/8"	7/16"	2"	\$29.75
1980	1/8"	3/8"	7/16"	2"	\$28.56
1982	1/4"	5/8"	1/2"	2-1/8"	\$29.15
1984	3/8"	7/8"	5/8"	2-1/4"	\$32.12

MULTI - BEADING SETS FOR EXTRA DEEP BEADING - Roundover and More!
Conventional Beading cuts a shallow 1/16" bead. Expand your capabilities with these versatile sets. Deeper beads create a more pronounced edge on larger pieces. Includes all four bearings and Hex Key Wrench.



Wood blocks are not to scale.

MULTI-BEADING SETS FOR EXTRA DEEP BEADING					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/2" SHANK					
2040B	1/4"	1-1/4"	1/2"	2-3/8"	\$45.22
2042B	3/8"	1-1/2"	5/8"	2-1/2"	\$50.86
2044B	1/2"	1-3/4"	3/4"	2-5/8"	\$53.54

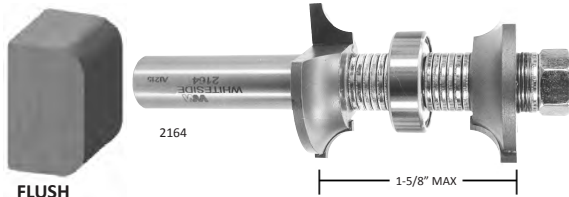


PLUNGE ROUNDROVER WITH PLUNGE POINT					
PART	"R" RADIUS	"A" LARGE DIA	"B" SMALL DIA	"C" PATTERN LENGTH	PRICE
ROUNDROVER & EDGE TRIM (TRADITIONAL)					
1/4" SHANK					
2050	1/8"	3/8"	1/8"	1/4"	\$26.18
2051	3/16"	5/8"	1/4"	1/8"	\$35.69
2052	1/4"	3/4"	1/4"	3/8"	\$40.46
1/2" SHANK					
2055	1/4"	3/4"	1/4"	1/4"	\$40.46
2056	1/4"	3/4"	1/4"	3/8"	\$44.62
2057	3/8"	1"	1/4"	5/16"	\$50.86
2058	3/8"	1"	1/4"	9/16"	\$52.36
2060	1/2"	1-3/8"	3/8"	3/4"	\$61.87
2062	9/16"	1-5/8"	1/2"	1"	\$78.54
2064	5/8"	1-3/4"	1/2"	1-1/16"	\$85.67
2066	3/4"	2"	1/2"	1-1/8"	\$94.00
ROUNDROVER & EDGE TRIM (LONG NOSE)					
1/2" SHANK					
* 2068	3/16"	1"	1/2"	13/16"	\$64.25
** 2070	3/16"	1"	1/2"	1-5/16"	\$88.06
* 2072	1/4"	1-1/8"	1/2"	13/16"	\$77.35
** 2074	1/4"	1-1/8"	1/2"	1-5/16"	\$99.95
* 2076	3/8"	1-3/8"	1/2"	13/16"	\$85.67
** 2078	3/8"	1-3/8"	1/2"	1-5/16"	\$104.71

* Edge Trim for 3/4" stock ** Edge Trim for 1-1/4" stock



DOUBLE ROUNDOVER - ROMAN OGEE - CHAMFER/BEVEL BITS WHITESIDE



FLUSH

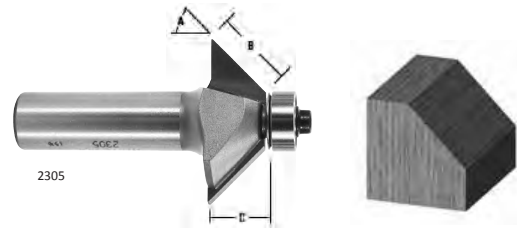


1/16" BEAD

DOUBLE ROUNDOVER WITH ADJUSTABLE CUTTING LENGTH

PART	RADIUS	LARGE DIA	OAL	PRICE
1/2" SHANK				
2160	1/8"	1-1/8"	3-3/4"	\$66.63
2162	3/16"	1-1/4"	3-3/4"	\$66.63
2164	1/4"	1-3/8"	3-3/4"	\$66.63

Assemblies sold with B5 Bearing for flush roundover.
Use B20 Bearing for 1/16" Bead.
Use B27 Bearing for 1/8" Bead.
Replacement Cutter Heads: Add RH to part number for cutter next to shank.
Add LH to Part Number for end cutter. Example: 2160LH



CHAMFER/BEVEL 45 DEG CHAMFER					
PART	"A" DEGREE OF ANGLE	"B" CUTTING LENGTH	"C" CUTTING HEIGHT	LARGE DIA	PRICE
1/4" SHANK					
* 2292	45 DEG	7/16"	5/16"	1"	\$28.56
2302	45 DEG	5/8"	7/16"	1-3/8"	\$31.54
1/2" SHANK					
2305	45 DEG	5/8"	7/16"	1-3/8"	\$31.54
2306	45 DEG	1-1/16"	3/4"	2"	\$49.09
2310	45 DEG	1-1/2"	1-1/16"	2-5/8"	\$92.82

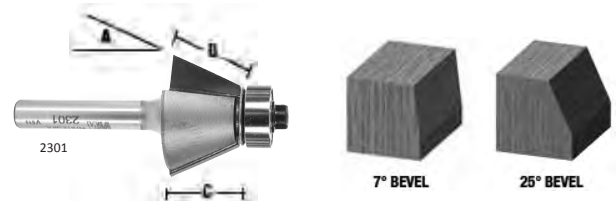
Bearing Number: B3 (Use B2 on #2292)

* 2292 has 1" large diameter for use in trim routers.



ROMAN OGEE					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
2200	5/32"	1-1/8"	9/16"	2"	\$41.05
2201	1/4"	1-1/2"	11/16"	2-1/4"	\$44.62
1/2" SHANK					
2202	5/32"	1-1/8"	9/16"	2-1/4"	\$41.05
2203	1/4"	1-1/2"	11/16"	2-3/8"	\$44.62
2210	3/8"	2"	1"	2-3/4"	\$66.63

Bearing Number: B3



EDGE BEVEL					
PART	"A" DEGREE OF ANGLE	"B" CUTTING LENGTH	"C" CUTTING HEIGHT	LARGE DIA	PRICE
1/4" SHANK					
* 2298	7 DEG	7/16"	3/8"	9/16"	\$23.20
2300	15 DEG	1/2"	1/2"	7/8"	\$24.27
* 2300A	15 DEG	1/4"	1/4"	3/4"	\$22.01
2301	25 DEG	9/16"	1/2"	1"	\$25.22
** 2308	30 DEG	7/8"	3/4"	1-3/8"	\$40.46
1/2" SHANK					
**** 2325	15 DEG	1"	15/16"	1-1/8"	\$33.32
*** 2307	22.5 DEG	15/16"	7/8"	1-1/4"	\$35.11
** 2309	30 DEG	7/8"	3/4"	1-3/8"	\$36.88
2318	60 DEG	1-1/8"	9/16"	2-1/2"	\$85.94

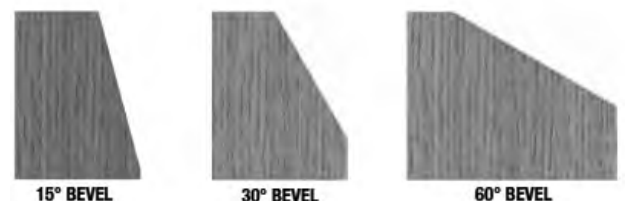
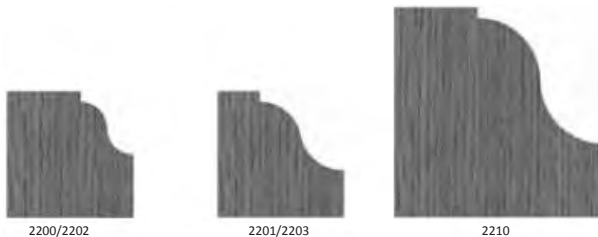
Bearing Number: B3

* Used on Laminate Trim

** Used for six sided boxes

*** Used for eight sided boxes

**** Used for twelve sided boxes



WHITESIDE TWO & THREE FLUTE - V-GROOVE - OVERHANG - DOWNSHEAR - COMBINATION



2400



2405

FLUSH TRIM TWO FLUTE					
PART	CUT DIA	CEL	OAL	BEARING #	PRICE
1/4" SHANK					
2400	3/8"	1"	2-5/8"	B1	\$20.12
2401	3/8"	1/2"	2-1/8"	B1	\$19.13
2402	1/2"	1"	2-5/8"	B3	\$20.12
2403	1/2"	1/2"	2-1/8"	B3	\$19.13
1/2" SHANK					
2404A	3/8"	1"	3-1/8"	B1	\$21.41
2405	1/2"	1"	3-1/4"	B3	\$20.94
2406	1/2"	1/2"	2-3/4"	B3	\$20.18
2407	1/2"	1-1/2"	3-5/8"	B3	\$25.22
2408	1/2"	2"	4"	B3	\$31.89
2410	3/4"	1-1/4"	3-3/8"	B4	\$29.52
2415	7/8"	1-1/2"	3-1/2"	B21	\$31.54
1/2" SHANK - DOUBLE BEARING					
2457	1/2"	1-1/2"	3-7/8"	TWO B3	\$50.58
2458	1/2"	2"	4-1/4"	TWO B3	\$57.12



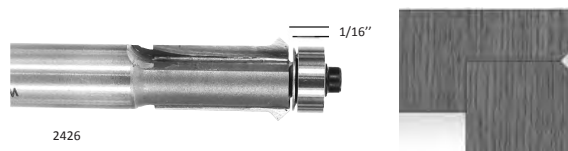
2502

FLUSH TRIM - THREE FLUTE					
PART	CUT DIA	CEL	OAL	BEARING #	PRICE
1/4" SHANK					
2500	1/2"	1"	2-5/8"	B3	\$27.38
2501	1/2"	1/2"	2-1/8"	B3	\$25.59
1/2" SHANK					
2502	1/2"	1"	3-1/4"	B3	\$27.96
2503	1/2"	1/2"	2-3/4"	B3	\$26.18
2504	1/2"	1-1/2"	3-5/8"	B3	\$33.69
2505	1/2"	2"	4"	B3	\$42.84
1/2" SHANK - DOUBLE BEARING					
2554	1/2"	1-1/2"	3-7/8"	TWO B3	\$59.15
2555	1/2"	2"	4-1/4"	TWO B3	\$67.82



2605

DOWNSHEAR FLUSH TRIM - TWO FLUTE					
PART	CUT DIA	CEL	OAL	BEARING #	PRICE
1/4" SHANK					
2602	1/2"	1"	2-5/8"	B3	\$24.99
2560	3/4"	5/8"	2-1/8"	B4	\$30.94
1/2" SHANK					
2605	1/2"	1"	3-1/4"	B3	\$25.59
2570	3/4"	1"	3"	B4	\$35.69
2575	3/4"	1-1/2"	3-1/2"	B4	\$40.46
2580	3/4"	2"	4"	B4	\$47.12



2426

FLUSH TRIM V-GROOVE					
PART	CUT DIA	CEL	OAL	BEARING #	PRICE
1/4" SHANK					
2425	1/2"	1"	2-5/8"	B3	\$26.42
1/2" SHANK					
2426	1/2"	1"	3-1/4"	B3	\$31.08



2470

OVERHANG TRIM BIT					
PART	OVERHANG	CUT DIA	CEL	BEARING #	PRICE
1/4" SHANK					
2468	1/16"	3/8"	1/2"	B3	\$23.20
2470	1/8"	3/8"	1/2"	B7	\$23.20



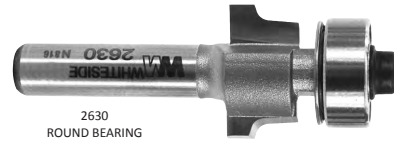
2702

COMBINATION FLUSH TRIM WITH TOP AND BOTTOM BEARINGS					
PART	CUT DIA	CEL	OAL	BEARING #	PRICE
1/4" SHANK					
2702	1/2"	1"	2-5/8"	B3 & B9	\$29.75
1/2" SHANK					
2710	3/4"	1-1/4"	3-3/8"	B4 & B19	\$38.08
2715	7/8"	1-1/2"	3-1/2"	B13 & B21	\$40.46

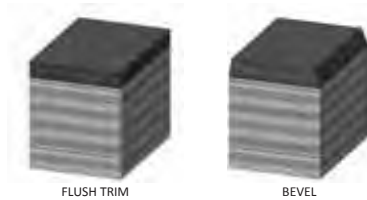
BALL & SQUARE BEARING - COMBINATION FLUSH/BEVEL - ROUNDOVER WHITESIDE



LAMINATE TRIM BITS - TWO FLUTE - BALL BEARING					
PART	DEGREE BEVEL	LARGE DIA	CEL	BEARING #	PRICE
1/4" SHANK					
2401	FLUSH	3/8"	1/2"	B1	\$19.13
2298	7 DEG	9/16"	7/16"	B3	\$23.20
2300A	15 DEG	5/8"	1/4"	B3	\$22.01
2301	25 DEG	1"	9/16"	B3	\$25.22



LAMINATE ROUNDOVER - ELIMINATES FILING							
PART	SHANK DIA	CUTTING DIA	RADIUS	CEL	OAL	BEARING	PRICE
2630	1/4"	1/2"	1/16"	3/16"	1-5/8"	B3	\$29.95
2631	1/4"	1/2"	1/16"	3/16"	1-5/8"	B3SQ	\$34.24



COMBINATION FLUSH OR BEVEL - LAMINATE TRIM					
PART	CUTTING DIA	DEGREE OF ANGLE	CEL	OAL	PRICE
1/4" SHANK					
2800	7/16"	22.5 DEG	1/2"	1-1/8"	\$19.75
2801	7/16"	22.5 DEG	1/2"	1-7/8"	\$19.75



B3SQ



B8SQ

Euro Square Bearing. How does it work? The square bearing stops spinning as soon as it touches the workpiece. Then, the side of the square simply slides along the workpiece edge. The square is made from a nonstick material, so it wipes clean easily, and it won't mark your workpiece.

LAMINATE FLUSH TRIMMERS WITH EURO SQUARE BEARING					
PART	CUTTING DIA	CEL	OAL	BEARING #	PRICE
1/4" SHANK					
2640	1/2"	1/4"	1-5/8"	B3SQ	\$26.77
2650	3/4"	5/8"	2-1/4"	B8SQ	\$35.59
1/2" SHANK					
2660	3/4"	5/8"	2-1/4"	B8SQ	\$35.59



B3SQ



B8SQ

Replace the standard 1/2" B3 bearing found on most Whiteside Edge Form bits with the B3SQ square bearing if residue build-up on the bearing or marring of the workpiece is a problem. Recommended for solid surface applications.

B3SQ is a 1/2" square. B8SQ is a 3/4" square. See page 238. Both are standard 3/16" inside diameter.

These bits are designed with a slight taper on the cutting diameter. This allows up or down adjustment to achieve an exact blend - even after resharpening.

WHITESIDE RONDOVER - ROUNOING UNDER - BOWL & SINK PROFILES

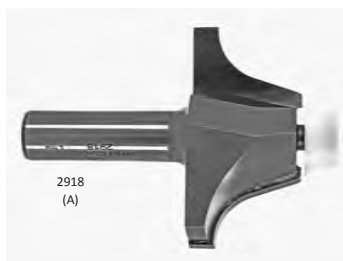


2009N

RONDOVER WITH NON -MARRING BEARING

PART	MATERIAL THICKNESS	RADIUS	CUTTING DIA	BEARING #	PRICE
1/2" SHANK					
2006N	1/2"	1/4"	1"	B3S	\$32.12
2009N	1"	1/2"	1-1/2"	B3S	\$42.24
2010N	1-1/2"	3/4"	2"	B3S	\$71.99

Supplied with Non-Marring Nylon Sleeved Bearing (Part #B3S).



2918
(A)



2944
(B)



2945
(C)



BOWL & SINK PROFILES

PART	MATERIAL THICKNESS	DEGREE	OAL	BEARING #	PRICE
(A) ROUNOING OVER UNDERMOUNT					
1/2" SHANK					
2910	1/2"	10 DEG	3"	BB300 10 DEG BEARING	\$115.69
2915	1/2"	15 DEG	3"	BB315 15 DEG BEARING	\$115.69
2918	1/2"	18 DEG	3"	BB318 18 DEG BEARING	\$115.69
2929	1/2"	18 DEG	3"	BB300 10 DEG BEARING	\$111.85
2930	3/4"	18 DEG	3-1/4"	BB300 10 DEG BEARING	\$129.70
(B) BEVEL UNDERMOUNT BOWL					
1/2" SHANK					
2944	1/2"-3/4"	12 DEG	3"	BB300 10 DEG BEARING	\$77.35
(C) OVERHANG BOWL TRIM					
1/2" SHANK					
2945	1/2"-3/4"	0 DEG	2-7/8"	BB300 10 DEG BEARING	\$64.25



2036



RONOING UNDER

PART	MATERIAL THICKNESS	RADIUS	CUTTING DIA	BEARING #	PRICE
1/2" SHANK					
2030	1/2"	1/4"	1-3/8"	B5	\$52.36
2034	1"	1/2"	1-7/8"	B5	\$97.57
2036	1-1/2"	3/4"	2-3/8"	B5	\$133.27



BB300

BB315

BB318



TEMPLATE BITS BALL BEARING GUIDE					
PART	CUTTING DIA	CEL	OAL	BEARING #	PRICE
1/4" SHANK					
* 3000A	1/2"	1/8"	1-3/4"	B9	\$26.77
* 3000	1/2"	1/4"	1-7/8"	B9	\$25.59
3001	1/2"	1/2"	2"	B9	\$26.77
3002	1/2"	3/4"	2-1/4"	B9	\$27.96
3004	1/2"	1"	2-1/2"	B9	\$28.80
* 3006	5/8"	1/4"	1-3/4"	B6	\$27.96
K41	5/8"	1/2"	2-1/4"	B6	\$35.69
K43	5/8"	3/4"	2-1/2"	B6	\$38.08
3008	5/8"	1"	2-1/2"	B6	\$35.11
* 3010	3/4"	1/4"	1-3/4"	B4	\$27.96
3012	3/4"	3/4"	2-3/8"	B4	\$33.91
3014	3/4"	1"	2-5/8"	B4	\$35.64
3/8" SHANK					
3015	7/8"	1"	2-5/8"	B12	\$45.22
1/2" SHANK					
3016	1-1/8"	1"	3"	B11	\$45.22
3018	1-1/8"	1-1/2"	3-1/2"	B11	\$50.58
3019	1-1/8"	2"	4"	B11	\$65.44
** 3020	3/4"	1"	2-3/4"	B19	\$38.08
** 3021	3/4"	1-1/4"	3"	B19	\$40.46
** 3022	3/4"	1-1/2"	3-1/4"	B19	\$44.62
3022A	7/8"	1-1/2"	3-1/2"	B13	\$44.62
** 3023	3/4"	2"	3-3/4"	B19	\$54.73

* Dado clean out bits. Use to square the bottom of dado cuts made on a table saw.

** Whiteside recommends using bits over 3/4" diameter in 1/2" shank whenever possible due to the fragile nature of the B19 bearing.



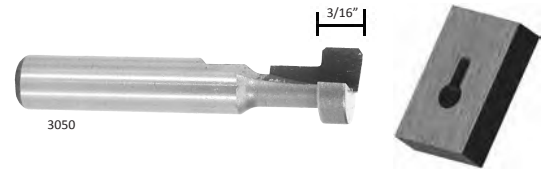
TEMPLATE BITS WITH OVERSIZE BEARINGS						
PART	CUTTING DIA	CEL	OAL	BEARING DIA	BEARING #	PRICE
1/4" SHANK						
* 3025	5/16"	3/4"	2-3/4"	1/2"	B9	\$28.56
** 3027	1/2"	1/4"	1-7/8"	5/8"	B6	\$27.96
*** 3028	1/2"	1/4"	1-7/8"	3/4"	B4	\$27.96
**** 3032	9/16"	3/4"	2-1/4"	5/8"	B6	\$29.75

* For Porter-Cable Morten™, Mortise & Tenon Jig, and Omnijig® templates

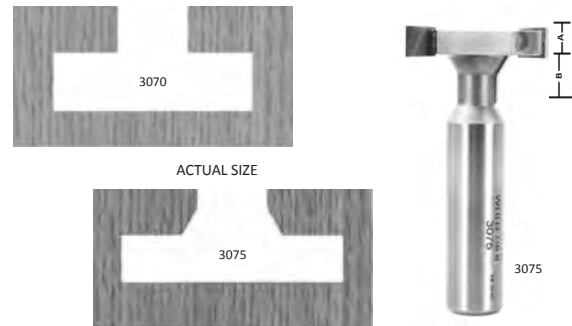
** Porter-Cable Hinge Butt Mortise Bit

*** For Hinge-Mate™ II Template

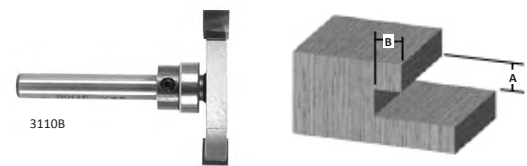
**** Keller Box Joint Bit



KEYHOLE BITS					
PART	LARGE DIA	SMALL DIA	CEL	OAL	PRICE
1/4" SHANK					
3050	3/8"	3/16"	7/16"	1-1/2"	\$16.65
3052	1/2"	5/16"	7/16"	1-1/2"	\$21.41
1/2" SHANK					
3051	3/8"	3/16"	7/16"	2-1/8"	\$19.04
3053	1/2"	5/16"	7/16"	2-1/8"	\$22.36



T-SLOT CUTTER						
PART	LARGE DIA	SMALL DIA	"A" LENGTH	"B" DEPTH	OAL	PRICE
1/2" SHANK						
3070	1-1/16"	3/8"	5/16"	1/2"	2-3/8"	\$65.44
3075	1-3/16"	3/8"	1/4"	3/8"	2-3/8"	\$73.78

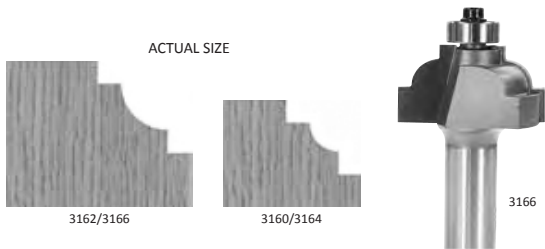


Used to cut all types of slots and grooves. Also used to undercut decorative patterns or large letters to give them a bold appearance.

SLOT & UNDERCUT BITS					
PART	LARGE DIA	"A" LENGTH	"B" DEPTH	OAL	PRICE
1/4" SHANK					
3094	3/4"	1/8"	1/4"	1-7/8"	\$22.48
* 3094B	3/4"	1/8"	1/8"	1-7/8"	\$31.42
3098	1"	1/4"	3/8"	2"	\$25.47
* 3098B	1"	1/4"	1/4"	2"	\$33.91
3110	1-1/2"	1/4"	5/8"	2"	\$29.15
* 3110B	1-1/2"	1/4"	1/2"	2"	\$37.78

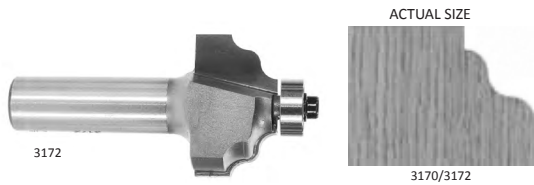
*B denotes Bearing (B9) guide on shank.

WHITESIDE CLASSICAL COVE - WAVY EDGE - RADIUS FLUTE - FULL/MULTI/DOUBLE ROUND BEAD



CLASSICAL COVE					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
3160	5/32"	1-1/4"	1/2"	2"	\$42.24
3162	1/4"	1-3/8"	3/4"	2-1/4"	\$47.60
1/2" SHANK					
3164	5/32"	1-1/4"	1/2"	2-1/4"	\$42.24
3166	1/4"	1-3/8"	3/4"	2-1/2"	\$47.60

Bearing Number: B3



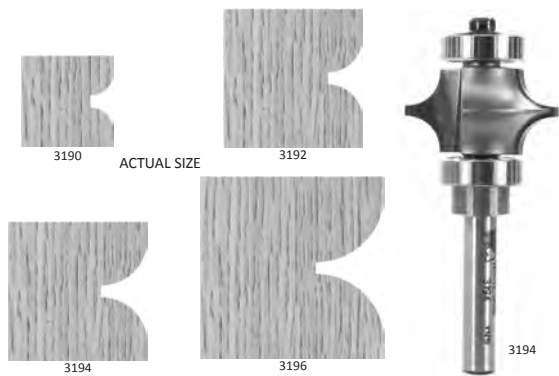
WAVY EDGE					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
3170	1/8"	1-1/4"	3/4"	2-1/4"	\$42.84
1/2" SHANK					
3172	1/8"	1-1/4"	3/4"	2-1/2"	\$42.84

Bearing Number: B3



RADIUS FLUTE CUTTER					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
3180	1/8"	1-1/8"	1/4"	2-5/8"	\$45.22
3182	3/16"	1-1/4"	3/8"	3-1/8"	\$45.22
1/2" SHANK					
3181	1/8"	1-1/8"	1/4"	2-3/4"	\$45.22
3183	3/16"	1-1/4"	3/8"	3-1/8"	\$45.22

Bearing Number: Two B5



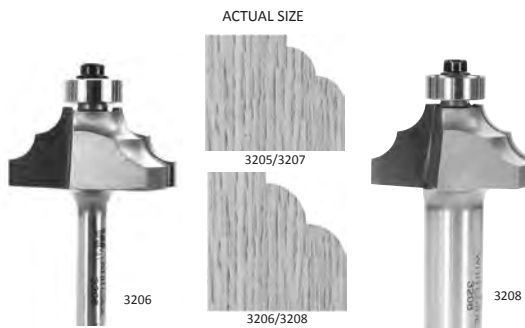
FULL BEAD					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
3190	1/8"	7/8"	5/16"	2-1/8"	\$45.22
3192	3/16"	1"	1/2"	2-3/8"	\$47.60
3194	1/4"	1-1/8"	5/8"	2-1/2"	\$57.12
3196	3/8"	1-3/8"	7/8"	2-3/4"	\$64.25

Bearing Number: One B6 & One B7



MULTI-BEADING					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
3200	1/8"	7/8"	1"	2-1/2"	\$55.62
1/2" SHANK					
3202	1/8"	7/8"	1"	2-3/4"	\$55.62

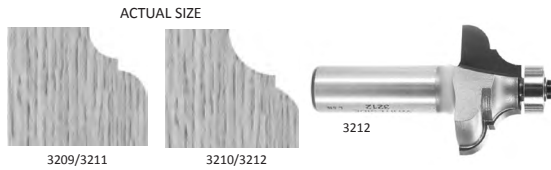
Bearing Number: B3



DOUBLE ROUND					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
3205	5/32"	1-1/8"	1/2"	2"	\$46.17
3206	7/32"	1-3/8"	5/8"	2-1/4"	\$49.97
1/2" SHANK					
3207	5/32"	1-1/8"	1/2"	2-1/4"	\$46.17
3208	7/32"	1-3/8"	5/8"	2-1/2"	\$49.97

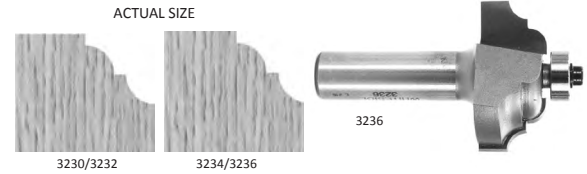
Bearing Number: B3

COVE & EDGE BEAD - OGEE/FILLET - CLASSICAL PATTERN - FRENCH TRADITIONAL WHITESIDE



COVE & BEAD					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
3209	5/32"	1-1/8"	1/2"	2"	\$46.40
3210	1/4"	1-5/16"	5/8"	2-1/8"	\$46.40
1/2" SHANK					
3211	5/32"	1-1/8"	1/2"	2-1/4"	\$46.40
3212	1/4"	1-5/16"	5/8"	2-3/8"	\$46.40

Bearing Number: B3



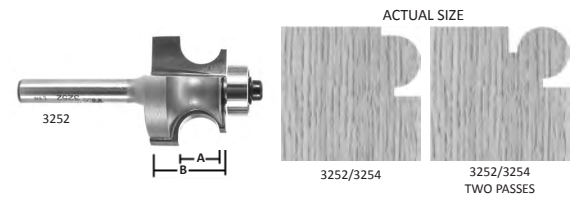
CLASSICAL PATTERN					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
3230	5/32"	1-1/4"	1/2"	2-1/8"	\$47.12
3234	3/16"	1-1/2"	5/8"	2-1/4"	\$51.99
1/2" SHANK					
3232	5/32"	1-1/4"	1/2"	2-3/8"	\$47.12
3236	3/16"	1-1/2"	5/8"	2-1/2"	\$51.99

Bearing Number: B3



OGEE FILLET					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
3214	3/16"	1-3/8"	5/8"	2-1/8"	\$44.97
1/2" SHANK					
3216	3/16"	1-3/8"	5/8"	2-1/2"	\$44.97
3218	1/4"	1-5/8"	3/4"	2-5/8"	\$52.47

Bearing Number: B3



EDGE BEADING					
PART	LARGE DIA	"A" BEAD DIA	"B" CEL	OAL	PRICE
1/4" SHANK					
3240	7/8"	1/8"	9/16"	2"	\$35.46
3244	7/8"	1/4"	9/16"	2"	\$40.46
3248	1"	5/16"	5/8"	2-1/4"	\$44.03
3252	1-1/16"	3/8"	3/4"	2-1/4"	\$46.40
3256	1-1/16"	1/2"	3/4"	2-1/4"	\$48.79
1/2" SHANK					
3242	7/8"	1/8"	9/16"	2"	\$35.46
3246	7/8"	1/4"	9/16"	2"	\$40.46
3250	1"	5/16"	5/8"	2-1/4"	\$44.03
3254	1-1/16"	3/8"	3/4"	2-1/4"	\$46.40
3258	1-1/16"	1/2"	3/4"	2-1/4"	\$48.79
3260	1-3/8"	5/8"	1"	2-5/8"	\$60.68
3262	1-1/2"	3/4"	1-1/8"	3"	\$66.63

Bearing Number: B3



OGEE					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
3220	5/32"	1-1/8"	1/2"	2"	\$45.14
3224	1/4"	1-1/2"	5/8"	2-1/8"	\$48.79
1/2" SHANK					
3222	5/32"	1-1/8"	1/2"	2-1/4"	\$45.14
3226	1/4"	1-1/2"	5/8"	2-3/8"	\$48.79
3228	9/64" & 5/16"	1-5/8"	5/8"	2-1/2"	\$57.12

Bearing Number: B3



FRENCH TRADITIONAL						
PART	"R1" RADIUS	"R2" RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK						
3270	3/16"	5/16"	1-1/2"	5/8"	2-1/2"	\$58.14
1/2" SHANK						
3272	3/16"	5/16"	1-1/2"	5/8"	2-1/2"	\$58.14

Bearing Number: B3

WHITESIDE

FRENCH PROVINCIAL - TABLE EDGE PROFILE



FRENCH PROVINCIAL MOLDING					
PART	LARGE DIA	CEL	BEAD DIA	OAL	PRICE
1/2" SHANK					
3280	1-3/4"	1-1/8"	1/4"	3-1/8"	\$104.71
3282	2"	1-3/16"		2-7/8"	\$73.78

Bearing Number: B3



3228



A



3292



B



3294



C



3296



D



3298



E



3300



F



3302



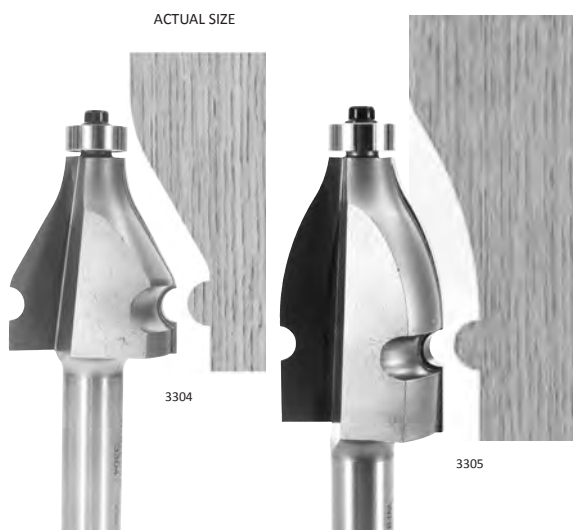
G

WOOD PROFILES ACTUAL SIZE

TABLE EDGE PROFILES						
PART	TABLE EDGE	PROFILE WIDTH	LARGE DIA	CEL	OAL	PRICE
1/2" SHANK						
3228	(A) OGEE	9/16"	1-5/8"	5/8"	2-1/2"	\$57.12
3292	(B) SMALL THUMBNAIL	7/16"	1-3/8"	3/8"	2"	\$45.22
3294	(C) THUMBNAIL	1"	2-1/2"	3/4"	2-1/2"	\$92.82
3296	(D) TRADITIONAL	1"	2-1/2"	3/4"	2-1/2"	\$92.82
3298	(E) CLASSICAL OGEE	1"	2-1/2"	3/4"	2-1/2"	\$92.82
3300	(F) FRENCH BAROQUE	7/8"	2-1/4"	3/4"	2-1/2"	\$92.82
3302	(G) THUMBNAIL & BEAD	1"	2-1/2"	3/4"	2-1/2"	\$92.82

Bearing Number: B3

HANDRAIL - SPECIALTY MOLDING - CLASSIC MULTI-FORMS WHITESIDE

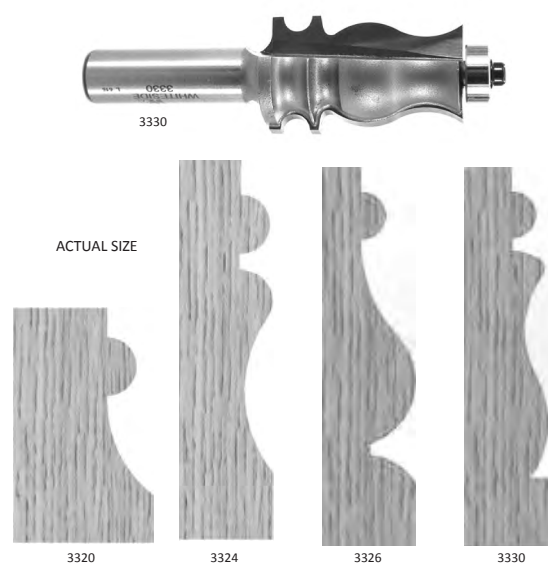
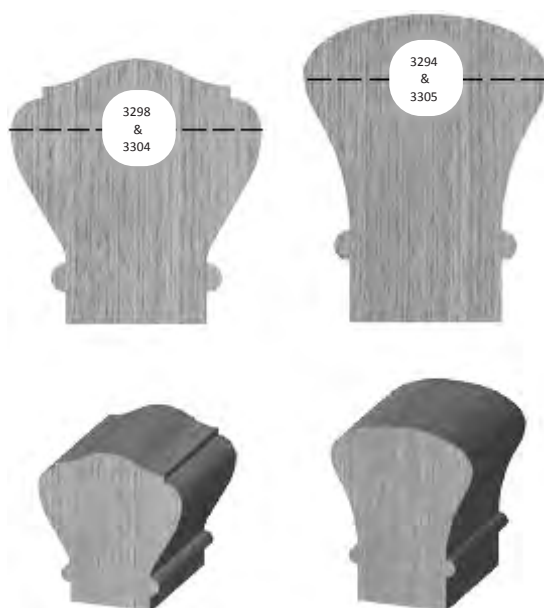


HANDRAIL BITS					
PART	LARGE DIA	CEL	BEAD DIA	OAL	PRICE
1/2" SHANK					
3304	1-3/8"	1-1/2"	1/4"	3-3/8"	\$97.57
3305	1-1/4"	2"	1/4"	3-7/8"	\$108.28

Bearing Number: B3

APPLICATION

Here are some examples of the handrail profiles which are possible using the handrail bits above in combination with your choice of Whiteside table edge bits.

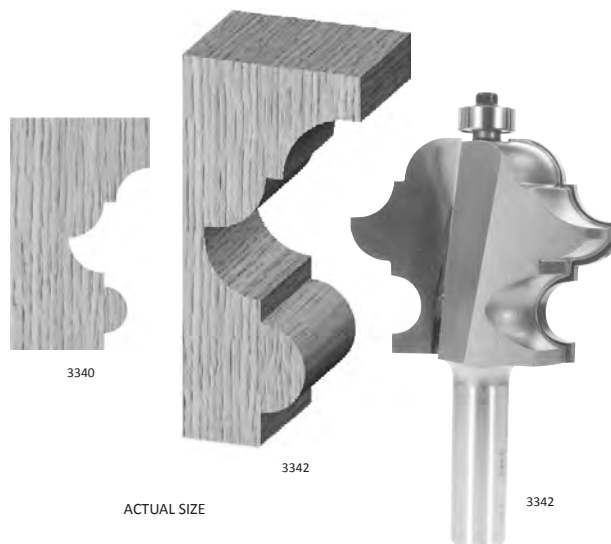


SPECIALTY MOLDING					
PART	LARGE DIA	CEL	BEAD DIA	OAL	PRICE
1/2" SHANK					
3320	1"	1"	5/16"	2-3/4"	\$50.88
3324	7/8"	1-5/8"	5/16"	3-1/2"	\$59.50
3326	1-1/16"	1-5/8"	1/4"	3-1/2"	\$59.50
3330	1"	1-5/8"	1/4"	3-1/2"	\$65.44

Bearing Number: B3

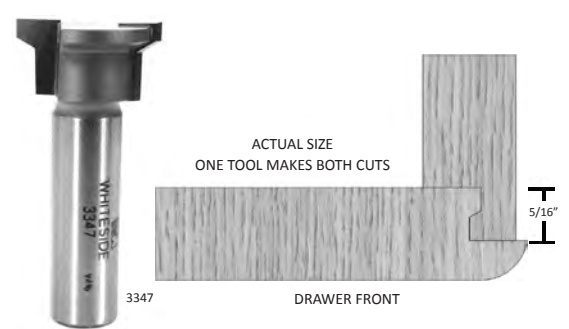
CLASSIC MULTI-FORMS

Many distinct profiles are possible by using different sections of this tool.

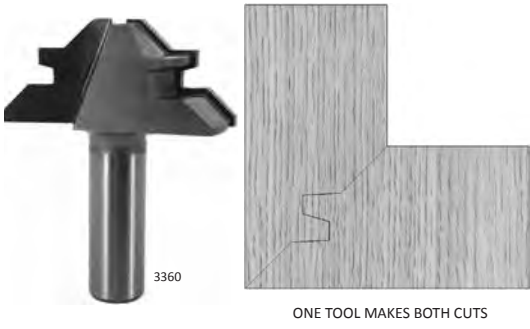


CLASSIC MULTI-FORMS						
PART	LARGE DIA	CEL	BEAD DIA	RADIUS	OAL	PRICE
1/2" SHANK						
3340	1-3/8"	1"	1/4"	3/16"	2-3/4"	\$90.43
3342	2-1/4"	1-7/8"	1/2"	5/16"	3-3/4"	\$116.02

Bearing Number: B3

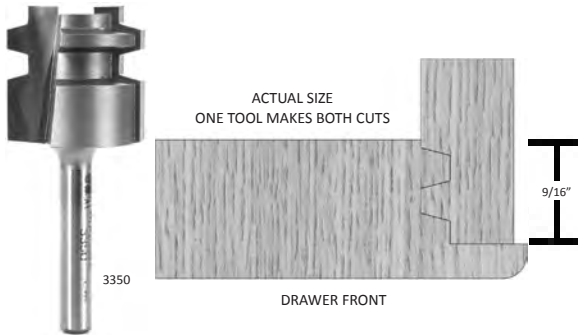


LOCKING DRAWER GLUE JOINTS				
PART	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK				
3346	3/4"	1/2"	1-7/8"	\$40.46
1/2" SHANK				
3347	1"	1/2"	2-1/8"	\$42.84

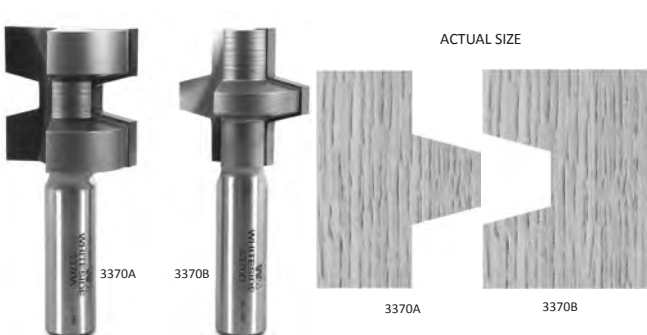


45 DEG LOCK MITER				
PART	MATERIAL THICKNESS	LARGE DIA	OAL	PRICE
1/2" SHANK				
3360	1/2" - 1-1/4"	3-1/8"	2-7/8"	\$145.16
3362	1/2" - 3/4"	2"	2-3/8"	\$107.10

Note: 3362 is recommended for stock thickness 1/2" - 3/4"



LOCKING DRAWER GLUE JOINTS				
PART	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK				
3350	1"	1"	2-3/8"	\$63.21
1/2" SHANK				
3352	1"	1"	2-3/8"	\$63.21



WEDGE TONGUE & GROOVE						
PART	SHANK DIA	MATERIAL THICKNESS	LARGE DIA	CEL	OAL	PRICE
3370	1/2"	5/8" - 1-1/4"	1-1/4"	1-1/4"	2-7/8"	\$142.79

Order 3370 for two piece set.
Order 3370A or 3370B for individual cutters.

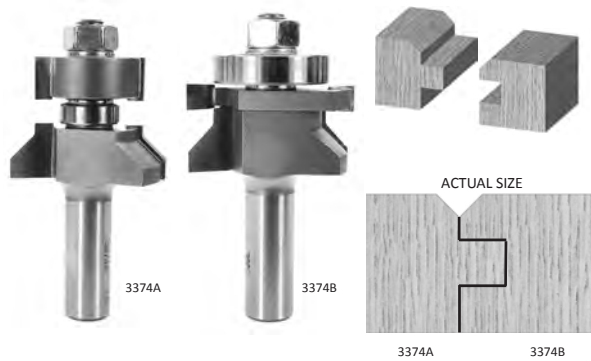


STANDARD GLUE JOINT					
PART	SHANK DIA	MATERIAL THICKNESS	LARGE DIA	OAL	PRICE
3354	1/2"	1/2" - 1-1/4"	1-1/2"	2-3/4"	\$73.78



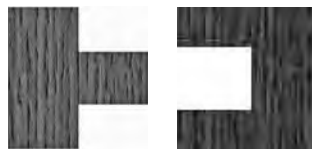
STRAIGHT TONGUE & GROOVE - BALL BEARING GUIDE						
PART	SHANK DIA	MATERIAL THICKNESS	LARGE DIA	CEL	OAL	PRICE
3373	1/2"	1/2" - 1-1/4"	1-1/4"	1-1/4"	3-1/8"	\$142.79

Order 3373 for two piece set
Order 3373A or 3373B for individual cutters.
Bearing Number: B7



VEE PANEL TONGUE & GROOVE - BALL BEARING GUIDE						
PART	SHANK DIA	MATERIAL THICKNESS	LARGE DIA	CEL	OAL	PRICE
3374	1/2"	5/8" - 1" *	1-5/8"	1"	2-3/4"	\$172.54

Order 3374 for two piece set.
Order 3374A or 3374B for individual cutters.
* Material over 1" thick requires a second cut on the tongue profile to waste away excess stock.



ACTUAL SIZE
ONE TOOL MAKES BOTH CUTS



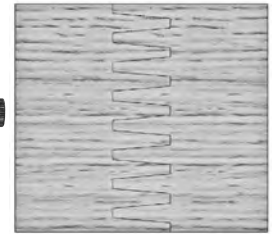
TONGUE & GROOVE ASSEMBLY						
PART	SHANK DIA	MATERIAL THICKNESS	LARGE DIA	TONGUE WIDTH	BEARING #	PRICE
3375	1/2"	1/2" - 13/16"	1-5/8"	9/32"	B5	\$66.63

Replacement Parts: Groover - 6628
Arbor - A260

APPLICATION
CUTTING THE TONGUE CUTTING THE GROOVE



ONE TOOL MAKES BOTH CUTS



ACTUAL SIZE

FINE FINGER JOINT						
PART	SHANK DIA	MATERIAL THICKNESS	LARGE DIA	FINGER DEPTH	OAL	PRICE
3390	1/2"	5/16" - 1-1/4"	1-3/8"	5/16"	3-1/4"	\$138.03

Bearing Number: B4

MULTI-SIDE BITS

A great way to join up many multi-side projects (planters, columns, barrels, etc.). Very straightforward, this joint requires routing a notch in only one edge of each stave (side). Notching also improves ease of assembly and total glue area. All bits are 1/2" shank and designed for use in a router table with a fence guide.



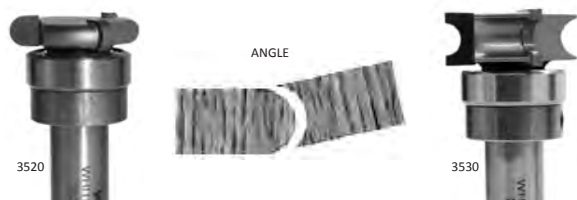
MULTI-SIDE BITS				
PART	# OF SIDES	STOCK (MAX)	LARGE DIA	PRICE
1/2" SHANK				
3506	6 or 12	7/8"	1-7/8"	\$55.93
3508	8	7/8"	1-3/4"	\$55.93
3516	16	1"	1-5/8"	\$55.93

APPLICATION

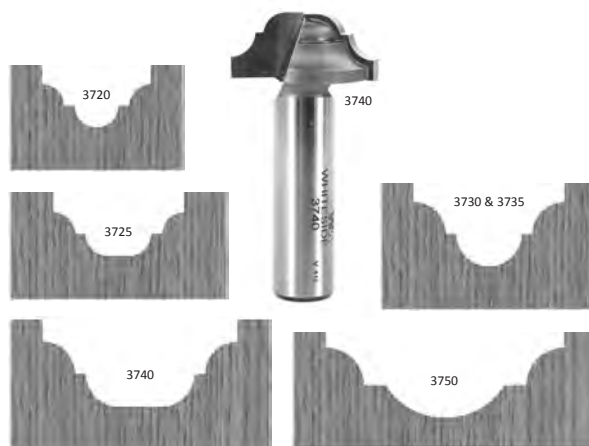
On six and eight sided objects, the exterior side is cut face up on a router table. Twelve and sixteen sided objects are cut face down. The same bit (#3506) is used for six sided and twelve sided objects. Either Flush or Ribbed (outside corners protruding) construction is possible. Ribbed construction is recommended with 12 and 16 sides because the interior leg of the notch will be very small when made flush. Outside corners on ribbed construction can be cut or sanded down for flush appearance if desired.

Location of the inside corner of the notch (i.e.- vertical bit adjustment) is important for final finish appearance. The outside leg of the notch (closest to the exterior) should be the same length as the stock thickness for flush construction. This will put the inside corner of the notch in the center of the stave on six sided flush projects. The inside corner will be below center (farthest from exterior side) on all others. Allow extra stock to experiment and set corner height as desired. Move notch towards exterior side (raise the bit) to increase rib size (amount of outside corner protruding). Move notch away from exterior side (lower the bit) to decrease amount of rib. Note: Bit adjustment is reversed on twelve and sixteen sided since those staves are cut face down.

Sold individually as a 1/8" Radius Fluting Bit or Beading Bit. When used together to edge 1/4" thick stock, the resulting joint allows each strip to be angled. This allows assembly in a curved configuration for numerous projects such as canoe hulls.



CANOE MAKING BITS						
PART	STYLE	SHANK DIA	CUTTING DIA	RADIUS	OAL	PRICE
3520	FLUTE	1/2"	1-1/8"	1/8"	2-1/4"	\$41.70
3530	BEAD	1/2"	1-1/8"	1/8"	2-3/8"	\$58.37

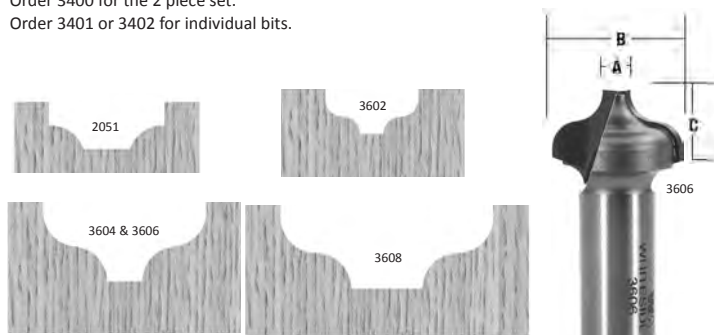


CLASSICAL ROUND BOTTOM					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
3720	1/8"	5/8"	1/2"	2"	\$35.11
3725	1/8"	3/4"	1/2"	2"	\$38.08
3730	3/16"	7/8"	1/2"	2"	\$40.46
1/2" SHANK					
3735	3/16"	7/8"	1/2"	2-1/8"	\$40.46
3740	3/16"	1-1/8"	1/2"	2-1/8"	\$47.60
3750	7/32"	1-3/8"	9/16"	2-1/2"	\$59.50



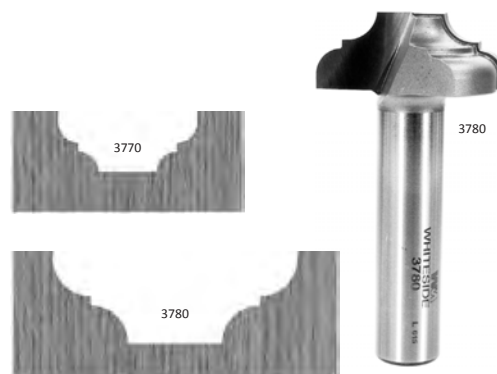
EDGE BANDING SET					
PART	SHANK DIA	CUTTING DIA	CEL	OAL	PRICE
3400	1/2"	1-1/2"	+ 3/4"	2-3/4"	\$104.71

Solid wood Edge Banding for plywood.
Order 3400 for the 2 piece set.
Order 3401 or 3402 for individual bits.



PLUNGE OGEE						
PART	RADIUS	"A" SMALL DIA	"B" LARGE DIA	"C" CEL	OAL	PRICE
1/4" SHANK						
2051	3/16"	1/4"	5/8"	3/8"	1-3/4"	\$35.69
3602	3/32"	1/8"	1/2"	1/4"	1-3/4"	\$28.56
3604	3/16"	3/16"	7/8"	1/2"	2"	\$30.94
1/2" SHANK						
3606	3/16"	3/16"	7/8"	1/2"	2"	\$31.76
3608	3/16"	3/8"	1-1/8"	1/2"	2-1/4"	\$40.46

Small Grooving Bits are commonly used for decorative designs in cabinet doors or for detail veining in furniture. Round Nose Bits and V-Groove Bits are often used in the same manner. The larger Grooving Bits are great for a raised panel effect in doors and for adding a bold accent to furniture or large work pieces. These bits also make nice edge profiles with the aid of a router table and fence.



CLASSICAL FLAT BOTTOM					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK					
3770	7/64"	3/4"	3/8"	2"	\$40.46
1/2" SHANK					
3780	13/64"	1-3/8"	9/16"	2-1/2"	\$59.50

These bits are ideal for adding bearings to the shank for following templates. Select a bearing with the same inside diameter as your shank size. Outside diameter should be the same size or larger than the large diameter of your router bit. Secure bearings with a lock collar. Use Lock Collar #LC-1/4 for 1/4" shanks or #LC-1/2 for 1/2" shanks.

The tooling on this page is designed to give the illusion of raised panel door construction in MDF and solid panel doors. When used individually these bits produce a nice, simple raised panel effect in one pass. Or use one of the "Panel" bits in conjunction with one of the "Stile" bits to create a more authentic raised panel panel reveal. Many different combinations are possible. See bottom of page.

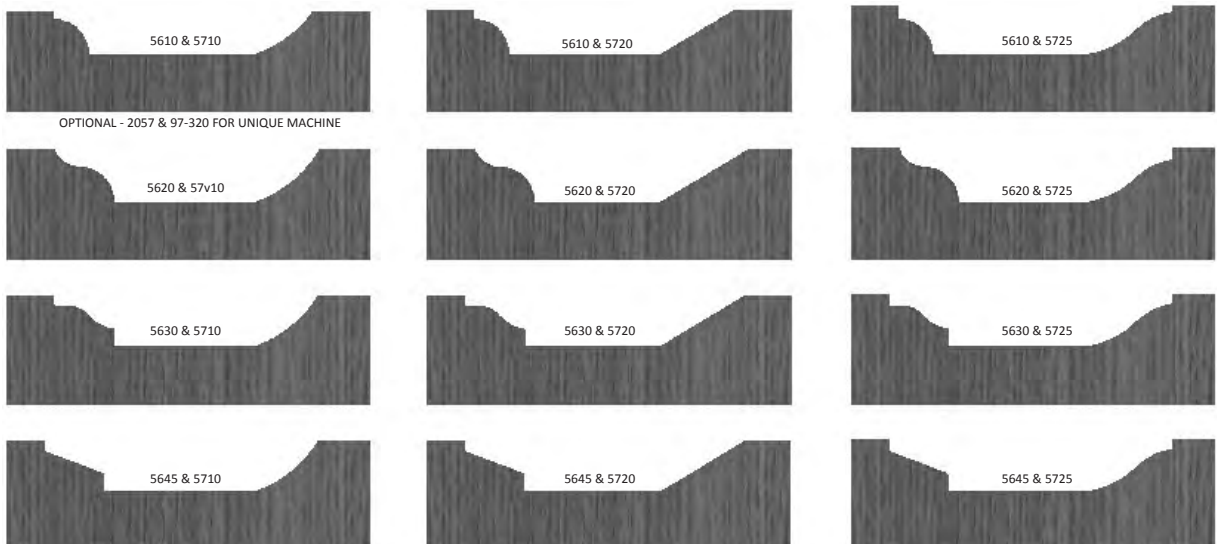
Although designed for production routing on solid door machines and CNC routers, the addition of a bearing to the shank will allow the hobbyist to cut his pattern by following an edge guide. The guide can be four strips clamped around the perimeter of the door. The top strip may be curved for an arched pattern. Follow the guide and rout both profiles. There's no need to move the guide for the second cut. A larger bearing on the panel bit takes care of the offset. Use Bearing #B16 for the Stile bits and Bearing #B24 for the Panel bits. Secure the bearings to the shank with a #LC-1/2 Lock Collar. When making the second cut, match the depth setting of the first cut to obtain a pattern with a flat bottom. Or vary the depth to add an extra distinctive "step" in the bottom of your reveal. Complete the door by adding a door edge pattern around the outside edge.

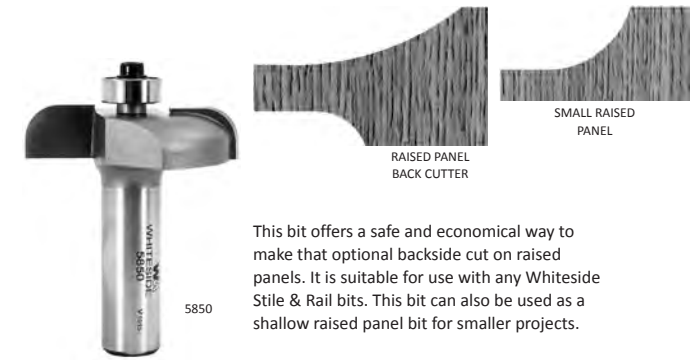


STILE PROFILE BITS				
PART	STYLE	LARGE DIA	OAL	PRICE
1/2" SHANK				
5610	BEAD	7/8"	2-1/2"	\$54.73
5620	TRADITIONAL	1-1/4"	2-1/2"	\$59.50
5630	OGEE	1-1/4"	2-1/2"	\$59.50
5645	STRAIGHT	1-1/4"	2-1/2"	\$59.50

PANEL PROFILE BITS				
PART	STYLE	LARGE DIA	OAL	PRICE
1/2" SHANK				
5710	COVE	1-1/2"	2-1/2"	\$85.67
5720	STRAIGHT	1-1/2"	2-1/2"	\$85.67
5725	OGEE	1-1/2"	2-1/2"	\$85.67

STILE & PANEL COMBINATION PROFILES





This bit offers a safe and economical way to make that optional backside cut on raised panels. It is suitable for use with any Whiteside Stile & Rail bits. This bit can also be used as a shallow raised panel bit for smaller projects.

These sets are for cabinet door construction with either Undersized Plywood or actual 1/4" thick Panels. Tongue and Groove is 3/8" deep.



SMALL RAISED PANEL OR RAISED PANEL BACK CUTTER					
PART	SHANK DIA	LARGE DIA	CEL	OAL	PRICE
5850	1/2"	1-3/4"	1/2"	2-1/4"	\$61.87

This set comes with three bearings (B3, B7, B8) to change the length of the tongue. Hex key included.



SHAKER STYLE RAISED PANEL 15 DEG PATTERN					
PART	SHANK DIA	CUTTING DIA	CEL	OAL	PRICE
5980	1/2"	2"	9/16"	2-3/8"	\$71.38



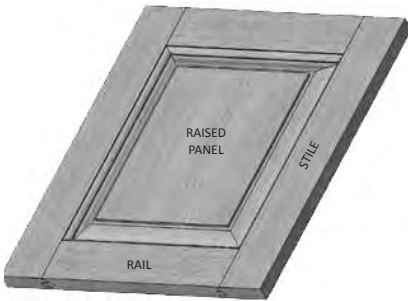
SHAKER STILE & RAIL					
PART	PATTERN	CEL	LARGE DIA	PANEL THICKNESS	PRICE
1/2" SHANK					
5990	SHAKER	13/16"	1-5/8"	Undersized (7/32" or 5.5mm)	\$116.61
5992	SHAKER	13/16"	1-5/8"	Actual 1/4"	\$116.61

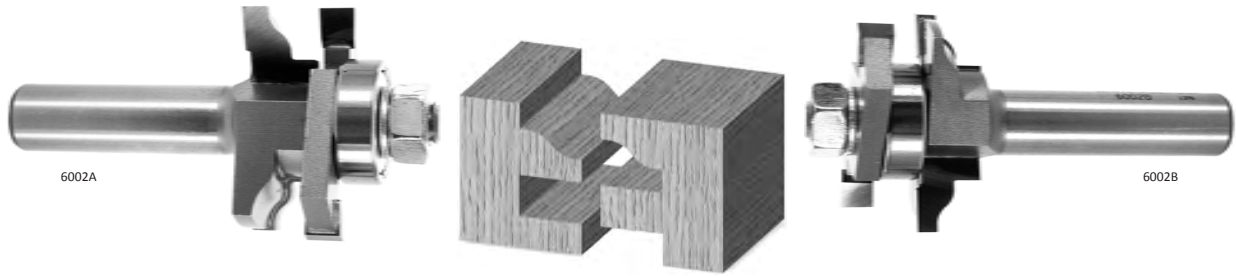
APPLICATION: RAISED PANEL DOOR CONSTRUCTION

Choose stock size as appropriate for your project. For example, 3/4" x 2" stile & rails and 5/8" thick panels (without optional back cut) are common for cabinet doors. Use your stock size and door size to calculate the following:

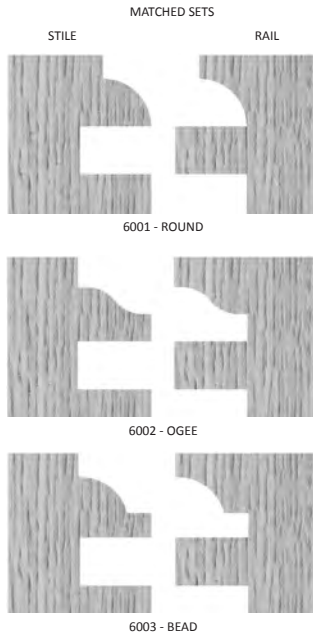
- Stile length = Door height
- Rail length = Door width - width of both stiles + Interlock
- Panel height = Door height - width of both rails + Interlock - Expansion
- Panel width = Rail length - Expansion
- Interlock = 3/4" (3/8" per side) on Whiteside full size Stile & Rail bits

Expansion: Generally 1/8" on cabinet doors. Can vary with door size, green condition of wood, anticipated exposure to high humidity, and species of wood. The Stile bit cuts the entire length of the inside edge on both the stiles and the rails. The Rail bit is used to make the matching cross grain end cuts on the rails only. The Raised Panel bit cuts all four sides of each raised panel face down on the router table. Set Raised Panel bit height for proper tongue thickness. Tongue should be 1/4" for the full size Stile & Rail bits. Allow extra stock if you plan to use the optional back cutter. Use the Standard Glue Joint or biscuits for added strength when gluing up larger panels. Cut all components and test fit. Then glue up and reassemble. Glue only the stile and rail joints. The panel should be allowed to "float" to allow for expansion and contraction. You may choose to use anti-rattle snakes to prevent the panel from rattling. Make your own by running a 1/8" bead of 100% silicone caulk on wax paper. Allow to dry. Cut into pieces about 3/4" long. Insert in each groove at every corner while assembling. Check the door for squareness immediately after gluing up. It may also be helpful to pre-stain them raised panel because part of the concealed portion of the tongue may become visible later due to contraction. Complete the door by adding a door edge pattern around the outside edge.



**FULL SIZE STILE & RAIL**

Make full size Stile and Rail joints on your router table. The interlocking design plus the raised panel groove are both cut in one pass. Ball bearing guides control the cutting depth and also allow use on rounded, arched, or special shaped doors. With these two piece sets, simply switch router bits to change from cutting stiles to cutting rails. Ideal for stock from 5/8" to 7/8" thick.



FULL SIZE STILE & RAIL					
PART	PATTERN	REVEAL WIDTH	CEL	LARGE DIA	PRICE
1/2" SHANK					
6001	Round	1/4"	1"	1-5/8"	\$152.31
6002	Ogee	3/8"	7/8"	1-5/8"	\$152.31
6003	Bead	3/8"	7/8"	1-5/8"	\$152.31
6004	Straight	3/8"	7/8"	1-5/8"	\$152.31
6005	Traditional	3/8"	7/8"	1-5/8"	\$152.31
6006	Classical	3/8"	7/8"	1-5/8"	\$152.31

For Individual Bits:

Add A to Part Number for Stile Cutter.

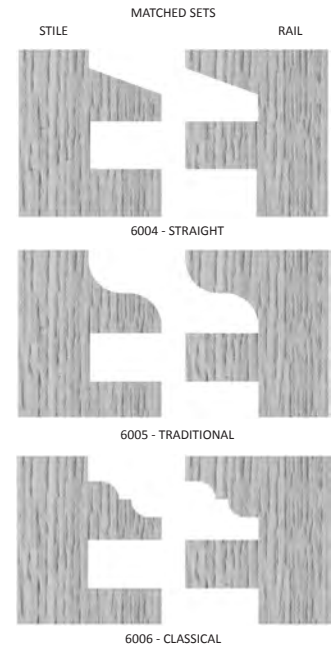
Add B to Part Number for Rail Cutter.

Example: 6001A - Round Stile Cutter

Replacement Parts:

Groover - 6625

Bearing - B5

**PLYWOOD PANEL STILE & RAIL CONVERSION KIT**

This conversion kit is for cabinet door construction with undersized 1/4" plywood panels. (Actual panel thickness of 7/32" or 5.5 mm). Whiteside's conversion kit #6000X converts the regular full size Stile and Rail bits to the narrower groove required for these plywood panels. This kit gives you the flexibility to do either plywood panels or raised panels. Plus, it can be used on any Whiteside full size Stile and Rail bits that you may already own.

Whiteside's most popular Stile and Rail sets are also available ready to use just for plywood panel construction. Order Part Number 6001X for round pattern or Part Number 6002X for ogee pattern. 1/2" shank only.

**APPLICATION: STILE & RAIL GLASS DOOR CONSTRUCTION**

Make the Stile & Rail cuts for glass doors using Whiteside's full size Stile & Rail (above). No extra components are required. All that's needed is to stagger the cutting edges and "stack" both groovers on the Stile bit. Use both bearings (no groover) on the Rail bit. See photo. Now make your cuts just like in normal door construction. Cut the inside edges of all four pieces with the Stile bit. Trim the ends of the Rails with the Rail bit. Assemble door and insert glass pane. Use clips or corner trim mold on the back side to hold the pane in place.



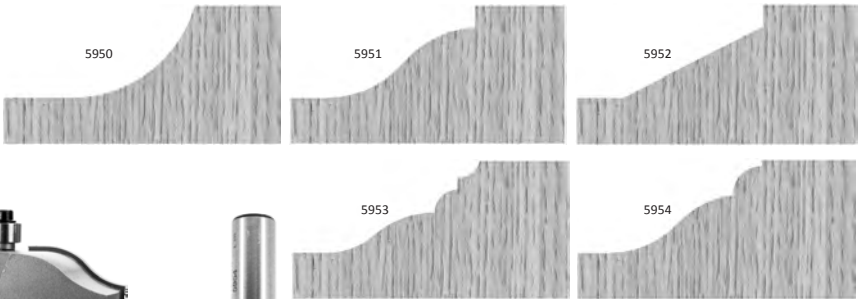
WHITESIDE

RAISED PANEL

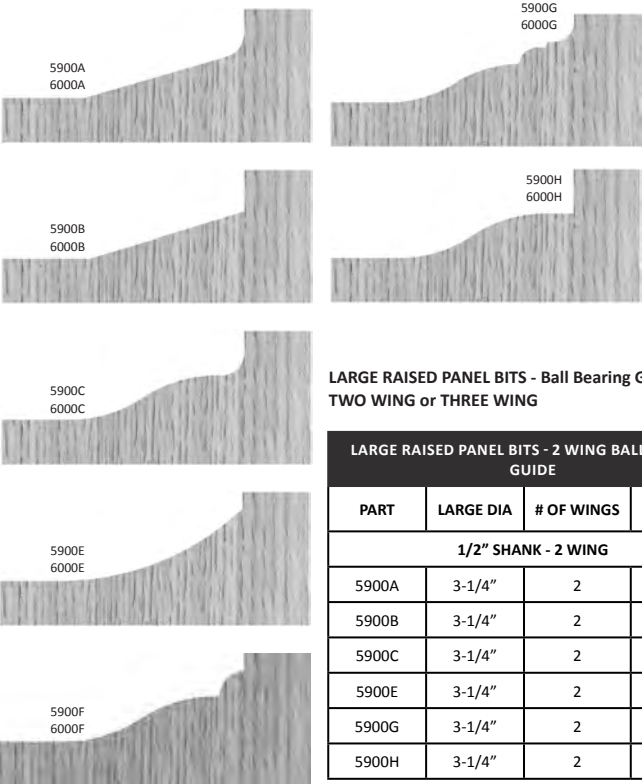
MEDIUM RAISED PANEL BITS

Ball Bearing Guide

These bits cut a 1" wide pattern and are often used for general edge profiles in addition to raised panels. They can be used with any of the full size Stile and Rail bits.



MEDIUM RAISED PANEL BITS - BALL BEARING GUIDE				
PART	PATTERN	CEL	LARGE DIA	PRICE
1/2" SHANK				
5950	Cove	1/2"	2-1/2"	\$84.47
5951	Ogee	5/8"	2-1/2"	\$84.47
5952	Angle	5/8"	2-1/2"	\$84.47
5953	Classical	5/8"	2-1/2"	\$84.47
5954	Ogee Bead	5/8"	2-1/2"	\$84.47



LARGE RAISED PANEL BITS - Ball Bearing Guide
TWO WING or THREE WING

LARGE RAISED PANEL BITS - 2 WING BALL BEARING GUIDE			
PART	LARGE DIA	# OF WINGS	PRICE
1/2" SHANK - 2 WING			
5900A	3-1/4"	2	\$121.63
5900B	3-1/4"	2	\$121.63
5900C	3-1/4"	2	\$121.63
5900E	3-1/4"	2	\$121.63
5900G	3-1/4"	2	\$121.63
5900H	3-1/4"	2	\$121.63

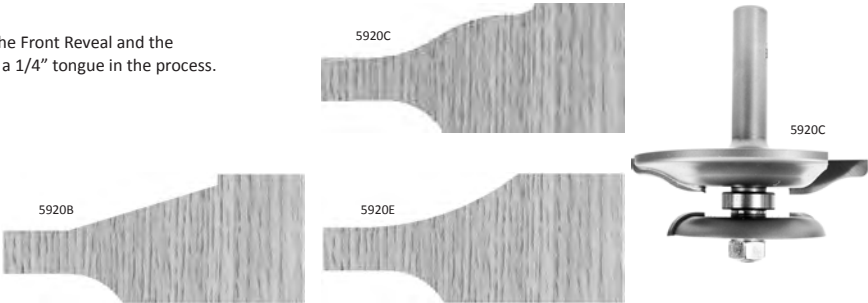
LARGE RAISED PANEL BITS - 3 WING BALL BEARING GUIDE			
PART	LARGE DIA	# OF WINGS	PRICE
1/2" SHANK - 3 WING			
6000A	3-3/8"	3	\$141.89
6000B	3-3/8"	3	\$141.89
6000C	3-3/8"	3	\$141.89
6000E	3-3/8"	3	\$141.89
6000F	3-3/8"	3	\$141.89
6000G	3-3/8"	3	\$141.89
6000H	3-3/8"	3	\$141.89

LARGE RAISED PANEL BITS with BACK CUTTER

2 WING (2+2) - Ball Bearing Guide

This Panel Bit with Back Cutter allows you to cut the Front Reveal and the optional Back Cut at the same time, guaranteeing a 1/4" tongue in the process.

LARGE RAISED PANEL BITS WITH BACK CUTTER		
PART	LARGE DIA	PRICE
1/2" SHANK		
5920B	3-1/4"	\$144.15
5920C	3-1/4"	\$144.15
5920E	3-1/4"	\$144.15



DOOR & DRAWER EDGE - WINDOW SILL

WHITESIDE

DOOR EDGE BITS Complete Edge



DOOR EDGE BITS COMPLETE EDGE				
PART	LARGE DIA	CEL	STYLE	PRICE
1/2" SHANK				
6010	1-3/8"	1-1/8"	Recessed Doors	\$77.35
6015	1-1/2"	7/8"	Finger Pull	\$65.44
6016	1-5/8"	15/16"	Reversible	\$78.08

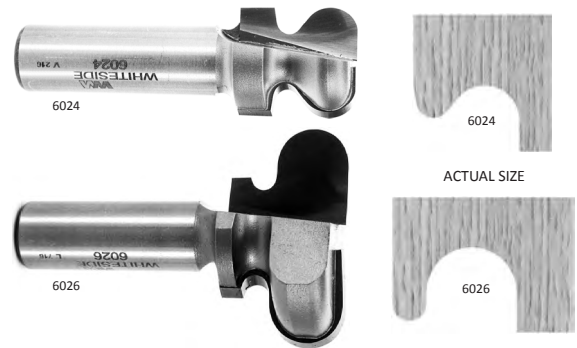
DOOR EDGE BITS Front Face Edge

These bits cut a decorative profile along the front face of the door edge while leaving most of the edge straight. Their shallow design works well with concealed European style cup hinges. Many other edge profile bits also make great door edges. (Deeper profiles may not be compatible with European style cup hinges).



DOOR EDGE BITS FRONT FACE EDGE				
PART	LARGE DIA	CEL	OAL	PRICE
1/4" SHANK				
3290	1-3/8"	3/8"	1-7/8"	\$45.22
1/2" SHANK				
3292	1-3/8"	3/8"	2"	\$45.22
6020	1-9/16"	3/8"	2-1/4"	\$54.73
6021	1-3/4"	3/8"	2-1/4"	\$54.73
6022	1-3/4"	3/8"	2-1/4"	\$54.73
6023	1-3/4"	3/8"	2-1/4"	\$54.73

DRAWER PULL - EUROPEAN STYLE



DRAWER PULL - EUROPEAN STYLE					
PART	LARGE RADIUS	LARGE DIA	CEL	OAL	PRICE
1/2" SHANK					
6024	3/16"	3/4"	7/8"	2-3/8"	\$64.25
6026	1/4"	1-1/2"	13/16"	2-3/8"	\$70.80

DRAWER EDGE FINGER PULL

Produces a nice smooth finger grip primarily used on the bottom edge of drawer fronts. Also used as a finger pull on cabinet doors where no edge pattern is needed on the front face.

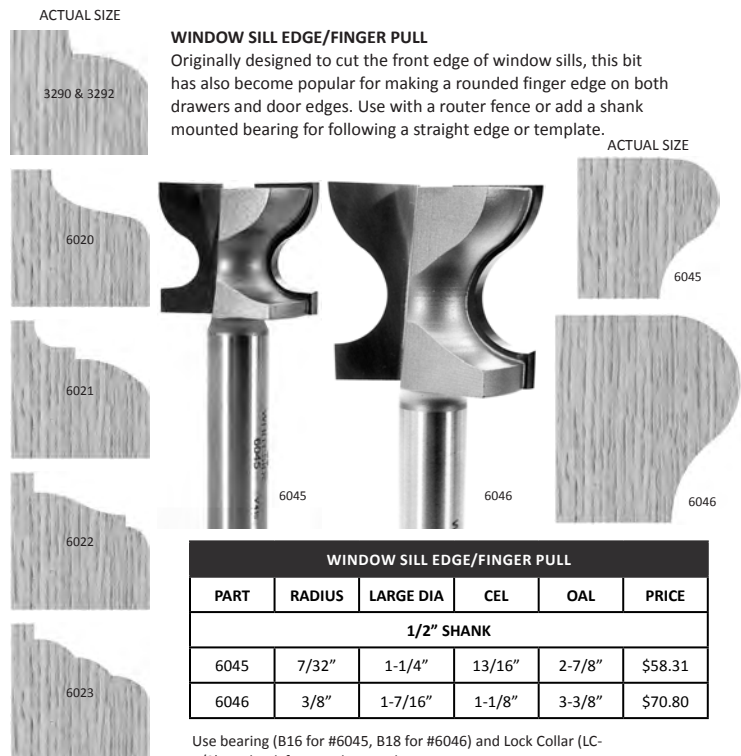


DRAWER EDGE FINGER PULL					
PART	SHANK DIA	LARGE DIA	CEL	OAL	PRICE
6032	1/2"	1-14"	3/4"	2-1/2"	\$41.05

Bearing Number: B3

WINDOW SILL EDGE/FINGER PULL

Originally designed to cut the front edge of window sills, this bit has also become popular for making a rounded finger edge on both drawers and door edges. Use with a router fence or add a shank mounted bearing for following a straight edge or template.



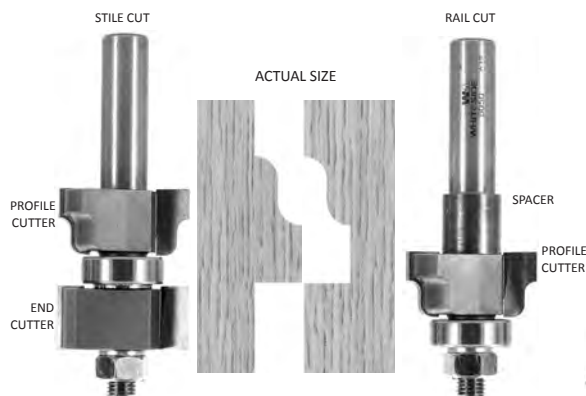
WINDOW SILL EDGE/FINGER PULL					
PART	RADIUS	LARGE DIA	CEL	OAL	PRICE
1/2" SHANK					
6045	7/32"	1-1/4"	13/16"	2-7/8"	\$58.31
6046	3/8"	1-7/16"	1-1/8"	3-3/8"	\$70.80

Use bearing (B16 for #6045, B18 for #6046) and Lock Collar (LC-1/2) on shank for template work.

WHITESIDE WINDOW SASH - SLOTTING - DRAWER SLOT CUTTERS & ARBORS

WINDOW SASH

This is the only bit you need to make a complete window sash. The bearing guide controls the pattern depth and also allows you to make arched or curved windows and glass doors.



WINDOW SASH				
PART	CUTTING DIA	CEL	OAL	PRICE
1/2" SHANK				
6050	1-3/8"	7/8" - 1-5/8"	3-5/8"	\$121.37

Replacement Parts: Profile Cutter: 6050H

Arbor: A380 Straight Cutter: 6050G

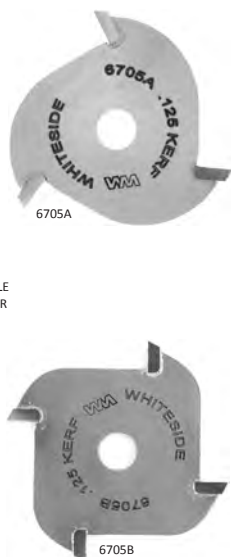
Bearing Number: B5 Spacer: 6050SP

APPLICATION: This assembly with the straight end cutter cuts the inside edges on both the stiles and rails. Convert the assembly to make the mating end cut by exchanging the straight cutter for the spacer (see drawing above). The spacer can be installed between the profile cutter and the shank if additional reach across the work piece is needed. Now make the mating end cuts on the rails. This bit can also be used to cut both the decorative edges and the mating end cuts required to make your own window mullions (crosspieces).



SLOTTING CUTTERS

1-7/8" Cutting Diameter - 5/16" Bore



SLOTTING CUTTERS				
PART	PART	DECIMAL	FRACTIONAL	PRICE
3-Wing	4-Wing	KERF	KERF	
6700A	6700B	0.062	1/16"	\$16.90
6701A		0.07		\$19.09
6701C		0.078	5/64"	\$19.09
6702A		0.08		\$19.09
6703A	6703B	0.094	3/32"	\$18.87
6704A		0.1		\$21.62
6704C		0.11	7/64"	\$22.41
6705A	6705B	0.125	1/8"	\$21.23
6708A		0.156	5/32"	\$21.23
6709A		0.187	3/16"	\$21.23
6709C		0.218	7/32"	\$22.41
6710A	6710B	0.25	1/4"	\$21.23
6712A		0.281	9/32"	\$26.36
6715A		0.312	5/16"	\$26.36

Special sizes available upon request

SLOTTING CUTTER ARBORS

Includes B5 Bearing for 1/2" Depth of Cut

SLOTTING CUTTER ARBORS			
PART	SHANK DIA	OAL	PRICE
A200B	1/4"	2-3/8"	\$9.95
A205B	3/8"	2-3/8"	\$12.21
A210B	1/2"	2-5/8"	\$9.95
A220B	1/2"	4"	\$18.41

Note - A220B has an extra long shank for extended reach.

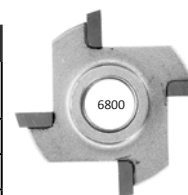
All include B5 Bearing for 1/2" depth of cut.

- Use B20 Bearing for 9/16" depth of cut.
- Use B25 Bearing for 3/8" depth of cut.
- Use B26 Bearing for 1/4" depth of cut.
- Use B27 Bearing for 5/8" depth of cut



DRAWER SLOT CUTTERS (Jemco Machines)

DRAWER SLOT CUTTERS (JEMCO MACHINES)					
PART	CUTTING DIA	BORE	KERF	# OF FLUTES	PRICE
6800	1-1/4"	3/8"-24thd	3/16"	4	\$28.16
6801	1-1/4"	3/8"-24thd	3/16"	6	\$33.78
6805	1-1/4"	3/8"-24thd	1/4"	6	\$33.78



DRAWER SLOT CUTTER ARBORS

DRAWER SLOT CUTTER ARBORS				
PART	SHANK DIA	OAL	THREAD	PRICE
6890	1/4"	2"	3/8"-24	\$9.01
6891	3/8"	2"	3/8"-24	\$9.01
6892	1/2"	2"	3/8"-24	\$9.01
6896	3/8"	3-1/4"	3/8"-24	\$22.53



DOVETAIL BITS

WHITESIDE

DOVETAIL BITS - Premium quality Dovetail Bits to meet all your Dovetailing needs.



D7-531



D8-437



D9-376



D10-50



D14-51



D18-50

DOVETAIL BITS						
PART	SHANK DIA	LARGE DIA	CUT DEPTH	OAL	CROSS REFERENCE	PRICE
7° ANGLE						
D7-530	1/4"	17/32"	3/4"	2-1/4"		\$26.18
D7-531	1/2"	17/32"	3/4"	2-1/2"	P•C #43776PC	\$26.18
D7-625	1/2"	5/8"	7/8"	2-5/8"	Incra	\$31.54
D7-750	1/2"	3/4"	7/8"	2-5/8"	Incra	\$35.69
* D7-875	1/2"	7/8"	7/8"	2-1/2"	Stair Tread	\$40.69
7-1/2° ANGLE						
** D75-25	1/4"	1/4"	5/16"	2-1/2"	Incra/Omnijig 43639	\$24.45
8° ANGLE						
** D8-250	1/4"	1/4"	1/4"	2-1/2"	Leigh #50	\$25.01
** D8-250X8	8mm	1/4"	1/4"	2-1/2"	Leigh #50-8mm shank	\$31.54
D8-312	1/4"	5/16"	3/8"	2-1/4"	Leigh #60	\$24.27
D8-312X8	8mm	5/16"	3/8"	2-1/4"	Leigh #60-8mm shank	\$28.56
D8-375	1/4"	3/8"	1/2"	2-3/8"	Leigh #70	\$21.67
D8-375X8	8mm	3/8"	1/2"	2-3/8"	Leigh #70-8mm shank	\$24.99
D8-437	1/4"	7/16"	5/8"	2-3/8"	Leigh #75	\$25.47
D8-437X8	8mm	7/16"	5/8"	2-3/8"	Leigh #75-8mm shank	\$30.70
D8-500	1/4"	1/2"	13/16"	2-3/4"	Leigh #80	\$24.27
D8-500X8	8mm	1/2"	13/16"	2-3/4"	Leigh #80-8mm shank	\$29.40
D8-687	1/2"	11/16"	1"	3"	Leigh #90	\$29.40
D8-812	1/2"	13/16"	1-1/4"	3-1/4"	Leigh #100	\$31.54

* Also stocked in Left Hand. Add LH to part number.

** Solid Carbide

All bits designated Incra are also compatible with the JoinTech™ system

DOVETAIL BITS						
PART	SHANK DIA	LARGE DIA	CUT DEPTH	OAL	CROSS REFERENCE	PRICE
9° ANGLE						
D9-312	1/4"	5/16"	3/8"	2-1/4"	Incra	\$26.18
D9-372	1/4"	3/8"	3/8"	2"	Incra	\$23.73
* D9-375	1/2"	3/8"	3/8"	2"		\$25.47
* D9-376	1/2"	3/8"	3/8"	2-1/2"	Incra	\$26.42
10° ANGLE						
D10-315	1/2"	5/16"	5/16"	2-1/2"	Incra	\$26.96
D10-50	1/4"	1/2"	5/8"	2-1/2"	Incra/Leigh #101	\$23.73
D10-50X8	8mm	1/2"	5/8"	2-1/2"	Leigh #101-8mm shank	\$29.75
D10-55	1/2"	1/2"	5/8"	2-5/8"	Incra	\$27.66
14° ANGLE						
D14-375	1/4"	3/8"	3/8"	2"		\$24.99
D14-50	1/4"	1/2"	1/2"	2"	Incra/Omnijig 43705	\$23.08
D14-51	1/4"	1/2"	1/2"	2-3/8"	Leigh #120	\$24.27
D14-51X8	8mm	1/2"	1/2"	2-3/8"	Leigh #120-8mm shank	\$29.04
D14-55	1/2"	1/2"	1/2"	2-1/2"	Incra/Omnijig 43750	\$27.96
D14-531	1/4"	17/32"	1/2"	2"	Incra	\$28.56
D14-75	1/2"	3/4"	3/4"	3"	Omnijig 43774	\$26.89
D14-100	1/2"	1"	7/8"	2-1/2"		\$43.43
18° ANGLE						
D18-50	1/4"	1/2"	3/8"	2-1/4"	Leigh #128	\$23.73
D18-50X8	8mm	1/2"	3/8"	2-1/4"	Leigh #128-8mm shank	\$29.62

STRAIGHT BITS - Used With Dovetail Jigs



1020



1067

STRAIGHT BITS USED WITH DOVETAIL JIGS						
PART	SHANK DIA	LARGE DIA	CUT DEPTH	OAL	CROSS REFERENCE	PRICE
STRAIGHT BITS						
1020	1/4"	5/16"	1"	2-3/4"	Leigh #140	\$19.18
1020X8	8mm	5/16"	1"	2-3/4"	Leigh #140-8mm shank	\$22.59
1064A	1/2"	13/32"	1"	2-1/2"	P•C #43743PC	\$20.71
1065L	1/2"	7/16"	1-1/4"	3-1/4"	Leigh #150	\$22.27
1067	1/2"	1/2"	1-1/4"	2-7/8"	Leigh #160	\$20.12

KELLER DOVETAIL BITS - Whiteside Machine Company offers precision router bits to match

Keller's unique dovetailing system. All tools listed below are supplied with the required ball bearings.



K35

KELLER DOVETAIL BITS						
PART	KELLER NUMBER	SHANK DIA	LARGE DIA	CEL	OAL	PRICE
7° ANGLE DOVETAIL						
K31	1631	1/4"	11/32"	3/8"	2-1/4"	\$41.65
K33	1633	1/4"	7/16"	3/4"	2-5/8"	\$42.84
K35	2435	3/8"	5/8"	1"	2-5/8"	\$54.73
STRAIGHT BITS						
K41	1641	1/4"	5/8"	1/2"	2-1/4"	\$35.69
K43	1643/2443	1/4"	5/8"	3/4"	2-1/2"	\$38.08
3015	2445	3/8"	7/8"	1"	2-5/8"	\$45.22
* 3032	1642	1/4"	9/16"	3/4"	2-1/4"	\$29.75

* Box Joint Bit

INCRA DOVETAIL SETS

Top quality Dovetailing sets for use with the popular Incra System. Choose the #D101 set (1/4" shank) for the smaller Dovetails (1/4", 3/8", 1/2", 17/32"). Take the #605 set (1/2" shank) for the heavier 3/8", 1/2", 5/8", & 3/4" Dovetail bits. Both sets also include the 1/4" and 3/8" Box Joint bits.



D101



605

INCRA DOVETAIL SETS		
PART	DESCRIPTION	PRICE
D101	6 PC INCRA SET 1/4" SHANK	\$116.61
605	6 PC INCRA SET 1/2" SHANK	\$130.88

All bits available individually. See previous page.

LEIGH DOVETAIL SETS

Upgrade to Whiteside Quality bits for your Leigh Jig. The smaller bits are supplied in the recommended 8mm shanks (1/2" Adapter Collet is included). The largest sizes come in 1/2" shanks. Improved performance guaranteed.



D108



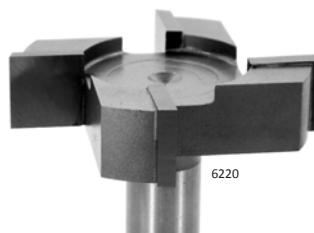
D116

LEIGH DOVETAIL SETS		
PART	DESCRIPTION	PRICE
D108	7 PC Leigh set. Includes D8-437X8, D8-687, D14-51X8, D18-50X8, 1020X8, 1067, and 6400X8 Adapter Collet	\$130.88
D116	6 PC Leigh set for #D1600 16" Jig. All bits 8mm-shank. 6400x8 Adapter Collet to 1/2" is included. Complete with the following bits: 1020x8, D8-375x8, D8-500x8, D14-51x8, D18-50x8	\$116.61

All bits available individually. See previous page.

SURFACING AND FLATTENING

An economical, carbide tipped version to resurface your spoilboard or flatten slabs. Compatible with smaller CNC machines.



6220



6210

SURFACING AND FLATTENING					
PART	SHANK DIA	CUT DIA	CEL	# OF WINGS	PRICE
6210	1/4"	1"	1/4"	3	\$33.37
6220	1/2"	2"	1/2"	4	\$80.19

LARGE CNC SPOILBOARD SURFACING - With Replaceable Carbide Inserts

LARGE CNC SPOILBOARD SURFACING				
PART	SHANK DIA	LARGE DIA	# OF WINGS	PRICE
STRAIGHT CUT				
SB25-2	1/2"	2-1/2"	2	\$361.73
SB40-3	3/4"	4"	3	\$404.57
UP SHEAR CUT				
SBU25-2	1/2"	2-1/2"	2	\$404.57
SBU40-3	3/4"	4"	3	\$480.36



SB25-2

CARBIDE INSERTS - INDEXABLE - 4 CUTTING EDGES

CARBIDE INSERTS INDEXABLE 4 CUTTING EDGES			
PART	DESCRIPTION	SIZE	PRICE
SB-INSERT	10 Pc. Insert Pack	14mm X 14mm X 2mm	\$38.29
SB-SCREW	Replacement Insert Screw	M5x7	\$3.83
SB-WRENCH	Insert Wrench	T-15 Torx	\$9.01

STEEL ROUTER COLLETS - Reducer Bushings

STEEL ROUTER COLLETS REDUCER BUSHING				
PART	INSIDE DIA	OUTSIDE DIA	OAL	PRICE
STRAIGHT CUT				
6390	1/8"	1/2"	1-1/4"	\$14.08
6395	3/16"	1/2"	1-1/4"	\$14.08
6400	1/4"	1/2"	1-1/4"	\$14.08
6400X6	6mm	1/2"	1-1/4"	\$14.08
6400X8	8mm	1/2"	1-1/4"	\$14.08
6400X10	10mm	1/2"	1-1/4"	\$14.08
6401	5/16"	1/2"	1-1/4"	\$14.08
6402	3/8"	1/2"	1-1/4"	\$14.08
6403	1/4"	3/4"	1-1/4"	\$20.26
6404	5/16"	3/4"	1-1/4"	\$20.26
6405	3/8"	3/4"	1-1/4"	\$20.26
6406	1/2"	3/4"	1-1/4"	\$16.90



6400

SOLID BRASS INLAY KITS - Whiteside's Brass Inlay Kits allow you to make perfect fitting inlays for decoration or repairs. Simply cut your template from 1/4" thick material and trace it with your router to cut both the cavity in your workpiece and the matching inlay to be inserted. Instructions are included. Kit includes a special centering pin to insure exact alignment with router spindle. Each kit includes a Solid Carbide Down-Cut Spiral router bit. For use in a base plate with a 1-3/8" diameter hole x 1-3/16" counterbore.



SOLID BRASS INLAY KITS					
PART	CUTTING DIA	BIT PART #	INSIDE CORNER RADIUS	DESCRIPTION	PRICE
9500	1/8"	RD1600	1/16"	Standard Inlay Kit	\$56.02
9501	1/4"	RD2075	1/8"	Large Inlay Kit	\$78.87

9510 - BASE PLATE REDUCERS - SOLID BRASS - These solid brass inserts fit into your router base plate to reduce the gap around the router bit. Not only is this safer, but it also reduces tear-out and helps support smaller work pieces. Supplied in a set with openings of 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", and 1", plus a retaining nut. Openings are slightly oversized for tool clearance. Fits any router with a standard 1-3/16" diameter recessed hole for template guides.



9510 - BASE PLATE REDUCERS - SOLID BRASS	
PART	PRICE
9510	\$56.02

BRASS TEMPLATE GUIDE BUSHINGS - Machined guide bushings allow precise centering of the bit inside of jigs and templates. Supplied with bushing and line up pin.

BRASS TEMPLATE GUIDE BUSHINGS			
PART	INSIDE DIA	OUTSIDE DIA	PRICE
9540-38N	9/32"	3/8"	\$18.45
9540-44N	11/32"	7/16"	\$18.45
9540-62N	17/32"	5/8"	\$18.45



9600 - SQUARE CORNER CHISEL - Use this tool to square up the round corners left behind when routing hinge mortises. Hold unit in mortise corner and strike with hammer. Chisel features a sharp 3/8" square hardened steel cutting blade. Manufactured by Whiteside Machine Company.

9600 - SQUARE CORNER CHISEL	
PART	PRICE
9600	\$32.12

9750 - EXTENSION ADAPTER - Used for light routing and veining on CNC carving machines. Allows deeper reach. Adapter is 1/2" shank. Accepts 1/4" shank bits only.



9750 - EXTENSION ADAPTER	
PART	PRICE
9750	\$61.87

BRASS SET-UP GAUGE BLOCKS - Square Gauge Blocks are a quick way to make many easy, accurate set-ups. A great way to make exact depth movements on plunge routers. On table routers, they're perfect for setting distances from the fence to the cutter, or for checking the bit height above the table. Supplied in 1/8", 3/16", 1/4", 3/8", and 1/2" squares. Blocks can be "stacked" to cover a wider range of sizes. A very helpful tool!

BRASS SET-UP GAUGE BLOCKS		
PART	DESCRIPTION	PRICE
9800	5 pc. Set - 2-1/2" Long	\$14.59
9810	5 pc. Set - 4" Long	\$21.23



ARBORS - INCLUDES NUT AND WASHER					
PART	SHANK DIA	ARBOR DIA	ARBOR LENGTH	OAL	PRICE
A200	1/4"	5/16"	7/8"	2-3/8"	\$5.07
A205	3/8"	5/16"	7/8"	2-1/2"	\$7.90
A210	1/2"	5/16"	7/8"	2-5/8"	\$5.07
A220	1/2"	5/16"	7/8"	4"	\$13.52
A250	1/4"	5/16"	1-3/16"	2-3/4"	\$6.75
A260	1/2"	5/16"	1-3/16"	3-5/16"	\$6.75
A300	1/4"	5/16"	1-7/16"	3"	\$7.32
A310	1/2"	5/16"	1-7/16"	3-3/16"	\$6.75
A375	1/2"	5/16"	1-3/4"	3-3/8"	\$10.14



FLAT WASHERS - 10 pc Pack

FLAT WASHERS - 10 PC PACK				
PART	OUTSIDE DIA	INSIDE DIA	THICKNESS	PRICE
31250W	1/2"	5/16"	1/16"	\$9.52



W300 - SHIM WASHER KIT - Use these shim washers to fine adjust the spacing on any arbor or assembly with a 5/16" diameter arbor (Slot Cutters, Stile & Rail, Window Sash, Tongue & Groove). Washers are 5/16" I.D. x 1/2" O.D. Includes three each of the following thicknesses: 0.004, 0.006, 0.008, 0.010, 0.012.

W300 - SHIM WASHER KIT	
PART	PRICE
W300	\$13.52



BALL BEARINGS - IMPORT				
PART	OUTSIDE DIA	INSIDE DIA	APPLICATION	PRICE
B1A	1/4"	1/8"		\$6.75
B1	3/8"	1/8"		\$5.62
B2	3/8"	3/16"		\$5.07
B3	1/2"	3/16"	Standard	\$5.07
B3 BLK	1/2"	3/16"	100 pcs. Bulk	\$366.74
B3S	1/2"	3/16"	Non-Mar Nylon Sleeve	\$9.29
B3SQ	1/2"	3/16"	Euro-Square	\$7.32
B3U	.490"	3/16"	for Resharpener (Undersize)	\$6.20
B4	3/4"	1/4"		\$4.51
B5	7/8"	5/16"		\$4.51
B6	5/8"	1/4"		\$4.51
B7	5/8"	3/16"		\$4.95
B8	3/4"	3/16"		\$6.75
B8SQ	3/4"	3/16"	Euro-Square	\$7.32
B9	1/2"	1/4"		\$5.62
B9U	.490"	1/4"	for Resharpener (Undersize)	\$8.44
B11	1-1/8"	1/2"		\$5.62
B12	7/8"	3/8"		\$9.01
B13	7/8"	1/2"		\$11.82
B14	11/16"	3/16"		\$9.58
B15	13/16"	3/16"		\$10.69
B16	1-1/4"	1/2"		\$18.02
B17	1-3/8"	1/2"		\$18.02
B18	1-1/2"	1/2"		\$18.02
B19	3/4"	1/2"		\$14.08
B20	3/4"	5/16"		\$11.26
B21	7/8"	1/4"		\$15.76
B24	1-7/8"	1/2"		\$21.40
B25	1-1/8"	5/16"		\$16.90
B26	1-3/8"	5/16"		\$16.90
B27	5/8"	5/16"		\$10.14
B28	7/8"	3/16"		\$12.39
B29	1"	3/16"		\$12.39
B33	9/16"	3/16"		\$13.52
BB300	7/8" X 10"	3/16"	Non-Mar Nylon Sleeve	\$21.28
BB315	7/8" X 15"	3/16"	Non-Mar Nylon Sleeve	\$21.28
BB318	7/8" X 18"	3/16"	Non-Mar Nylon Sleeve	\$21.28



SOCKET HEAD CAP SCREWS PACKS					
PART	THREAD SIZE	THREAD LENGTH	HEX KEY	PIECES	PRICE
34825S	3-48	1/4"	5/64"	1 pc	\$4.76
34825SBLK	3-48	1/4"	5/64"	100 pc	\$28.56
54025S	5-40	1/4"	3/32"	1 pc	\$4.76
54025SBLK	5-40	1/4"	3/32"	100 pc	\$28.56
103238S	10-32	3/8"	5/32"	1 pc	\$4.76
103238SBLK	10-32	3/8"	5/32"	100 pc	\$28.56

BB501 - 5 PIECE BEARING CONVERSION KIT - Use this kit to vary the horizontal cutting depth of router bits with bearing pilots. Great for stepping in to finish depth by controlled increments. Contains B2 (3/8" x 3/16"), B3 (1/2" x 3/16"), B7 (5/8" x 3/16"), B8 (3/4" x 3/16") Bearings and 3/32" Hex Key Wrench.

BB600 - GENERAL BEARING REPAIR KIT - This handy kit includes spare bearings, screws, and wrench to replace bearings on most bits. Includes five B3 (1/2" x 3/16") and two B2 (3/8" x 3/16") bearings, ten 54025S Screws, and a 3/32" Hex Key Wrench.

BB701 - ACCESSORY KIT - Great for replacement bearings and screws - Plus this generous bearing assortment allows you to vary your cutting depths and change your profiles. Also contains lock collars and bearings for adding bearing guides to the shanks of your standard bits for following templates. Contains: 12 bearings — four B3 (1/2" x 3/16"), one each of B2 (3/8" x 3/16"), B7 (5/8" x 3/16"), B8 (3/4" x 3/16"), B9 (1/2" x 1/4"), B6 (5/8" x 1/4"), B4 (3/4" x 1/4"), B5 (7/8" x 5/16") and B11 (1-1/8" x 1/2"); two each 1/4" lock collars (LC-1/4) and 1/2" lock collars (LC1/2); one each 1/16", 5/64", 3/32" and 5/32" Hex Key wrenches; plus ten 54025S bearing screws.

BB501 - BB600 - BB701	
PART	PRICE
BB501	\$16.90
BB600	\$23.66
BB701	\$54.06



BEARING LOCK COLLARS - Retaining Collars used when bearings are added to the shanks of router bits for following templates. Uses part #HK-1/16 Hex Key Wrench #LCS-Replacement Set Screw for Standard Lock Collars

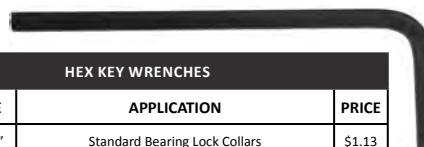
BEARING LOCK COLLARS			
PART	SHANK DIA	OUTSIDE DIA	PRICE
LC-1/4	1/4"	7/16"	\$3.66
LC-1/2	1/2"	11/16"	\$3.66



HEX NUTS - 10 PC PACK				
PART	THREAD SIZE	WIDTH	HEX SIZE	PRICE
1032N	10-32	1/4"	3/8"	\$5.94
31224N	5/16" - 24	1/4"	1/2"	\$5.94

Replacement Parts By Tool Number - Replacement Bearing sizes are listed in the catalog with each tool. Most tools with bearing pilots require only the 54025S Screw. Exceptions:

REPLACEMENT PARTS BY TOOL NUMBER			
PART	TYPE	FITS PART #	PRICE
34825S	Screw	2400, 2401, 2404A	\$4.76
103238S	Screw	2013-2016, 2410, 2415, 2560, 2570, 2575, 2580, 2715, 2900-2902, 3390, UDC9112, UDFT9112, UDP9112	\$4.76
1032N	Nut	RFT5125, RFTD5125, RFT5200, RFTD5200, UDFT5152	\$5.94



HEX KEY WRENCHES			
PART	SIZE	APPLICATION	PRICE
HK-1/16	1/16"	Standard Bearing Lock Collars	\$1.13
HK-5/64	5/64"	1/8" I.D. Bearings (3-48 Screw)	\$1.13
HK-3/32	3/32"	3/16" I.D. Bearings (5-40 Screw - Most Common)	\$1.13
HK-5/32	5/32"	1/4" I.D. Bearings (10-32 Screw)	\$1.13
HK-1/8	1/8"	Hole Saws / Quick Change Shanks	\$1.13

DURABLE PLASTIC CASES



Keep your tools
safe and organized.

ROUNDROVER & BEADING - SET 501 - 1/2" SHANK - Roundovers are by far the most used edge forming bits in woodworking. This set includes the most common radii (R1/4", R3/8", R1/2") in 1/2" shanks, plus a hefty 3/4" radius workhorse. Extra bearings and wrench are included to convert each bit from Rounding over to Beading - i.e., Roundover with a decorative step.



ROUNDROVER & BEADING SETS

PART	PRICE
1/2" SHANK	
501	\$130.88

ROUNDROVER & BEADING SET - 502 - 1/4" SHANK - Easily round off all your square edges with lightweight 1/4" capacity Hand Routers. Keep the whole range of sizes (R1/8", R3/16", R1/4", R3/8", R1/2") neatly organized and right at your fingertips. As with the 1/2" shank set, this kit comes fully equipped to extend its usage by converting to Beading - i.e., Roundover with a decorative step.



ROUNDROVER & BEADING SETS

PART	PRICE
1/4" SHANK	
502	\$130.88

BASIC 7 PC. BIT SETS - These sets are made up of the most popular woodworking bits.



INCLUDES:	SET 401	SET 402	BASIC 7 PC BIT SETS	
	1/2" SHANK	1/4" SHANK	PART	PRICE
R3/8" Cove	1804	1801	1/2" SHANK	
3/8" x 1/2" Rabbet	1901	1900	SET 401	\$130.88
R3/8" Roundover	2008	2003	1/4" SHANK	
45 Deg Chamfer	2305	2302	SET 402	\$130.88
1/4" Straight	1058	1013		
1/2" Straight	1067	1026		
1/2" Flush Trim	2405	2402		

STRAIGHT & HALF ROUND COMBO - SET 600 - 1/2" SHANK - A nice collection of Straight Bits and Half Rounds grouped together in one protective case. This set includes:

- 3/8 Straight
- 1/2 Straight
- 5/8 Straight
- 3/4 Straight
- 3/8 Half Round
- 1/2 Half Round
- 5/8 Half Round
- 3/4 Half Round

This handy group covers the full assortment of bits needed for the INCRA HingeCrafter. Whiteside Industrial Quality.



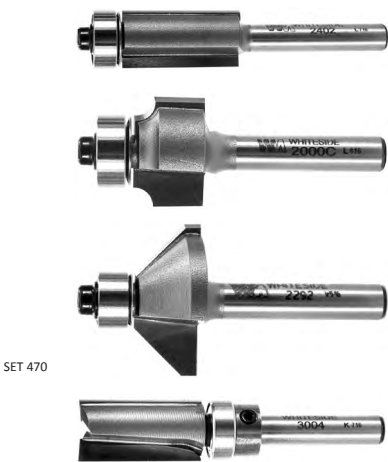
STRAIGHT & HALF ROUND COMBO

PART	PRICE
1/2" SHANK	
SET 600	\$249.88

COMPACT ROUTER BIT - SET 404 - 1/4" SHANK - TWO FLUTE - A convenient starter set made up of four popular router bits all in a 1/4" shank. Works well in compact routers or laminate trimmers. The set includes a Template Bit, 45° Chamfer Bit, 1/8" Roundover Bit, and Flush Trim Bit. This selection is designed to be compatible with the smaller base plate holes found in compact routers.

- This set includes 1 of each:
- 2402 - Flush Trim Bit
 - 2000C - 1/8" Roundover Bit
 - 3004 - Template Bit
 - 2292 - 45° Chamfer Bit

COMPACT ROUTER BIT SET	
PART	PRICE
1/4" SHANK - TWO FLUTE	
SET 404	\$95.94



SET 470

PLYWOOD DADO - SET 470 - 1/2" SHANK - TWO FLUTE - These router bits are sized to exactly match today's nominal plywood thicknesses. Consists of a 7/32" bit for 1/4" Plywood, a 31/64" bit for 1/2" Plywood, and a 23/32" bit for 3/4" Plywood.

- This set includes 1 of each:
- SC218 - Solid Carbide Straight Bit
 - 1065A - Carbide Tipped Straight Bit
 - 1083A - Carbide Tipped Straight Bit

PLYWOOD DADO SET	
PART	PRICE
1/2" SHANK - TWO FLUTE	
SET 470	\$61.87



SET 404

TEN ESSENTIAL ROUTER BIT - SET 410 - The woodworking hobbyist needs a variety of quality bits. Whiteside's Set 410 is essential to kickstart your router projects. All bits are 1/2" shank except the 1/4" straight bit.

- This set includes 1 of each:
- 1014 - 1/4" Straight
 - 1069 - 1/2" Straight
 - 1954 - 1/2" Rabbeting
 - 2305 - 45 Degree Chamfer
 - 2006 - 1/4" Radius Roundover
 - 1804 - 3/8" Radius Cove
 - 2407 - 1/2" x 1-1/2" Flush Trim
 - RU4900 - 3/8" Solid Carbide Spiral Upcut
 - 6710A - 1/4" 3-Wing Slot Cutter
 - A210B - Slot Cutter Arbor
 - D10-55 - 1/2" 10 Degree Dovetail
 - B3, B7, & B8 Bearings, and a 3/32" Hex Key

TEN ESSENTIAL ROUTER BIT SET	
PART	PRICE
SET 410	\$308.18



SET 410



BALL NOSE
SET 703

CNC SETS
1/4" Shank Sets
Perfect for 2D and 3D Carving

SET 703 - Ball Nose Set group contains three 1/4" shank bits consisting of two Ball Nose Spirals and one Conical Ball Nose Spiral. Great for most CNC profiling.

SET 705 - Starter Set is a great asset for small CNC owners who are just learning how to use their machine. Even experienced CNC machinists will appreciate the selection of bits in this set. This group contains five 1/4" bits including two Conical Ball Nose Spirals, an Up Cut Spiral, and two V-Groove bits.

SET 706 - Lettering Set group contains six bits including a Pointed Roundover, Plunge Roundover, 60° V-Groove, a Cove Nose Spiral, and two sizes of Round Nose Bits. Create a wide variety of letters, signs, and decorative artwork with these bits.

SET 708 - Engraving Set contains eight 1/4" Engraving bits with an included angle ranging from 15° to 90°. All types of projects will appear visually stunning with the many engraving options that exist from this one kit.



STARTER
SET 705



LETTER
SET 706



ENGRAVING
SET 708

CNC ROUTER BIT SETS			
PART	PCS	DESCRIPTION	PRICE
1/4" SHANK			
703	3	Ball Nose Set - SC66, RU1800RN, RU2075RN	\$101.04
705	5	Starter Set - SC64, SC66, RU2075, 1502, 1550	\$169.06
706	6	Lettering Set - 1403, 1404, 1550, 1572, 2051, RU2075CN	\$158.30
708	8	Engraving Set - SC54, SC55, SC70, SC71, SC75, SC76, 1541, 1500	\$192.24

SQUARE INSERTS - FOUR CUTTING EDGES				
PART	SIZE	PIECES	DESCRIPTION	PRICE
141420A	14mm x 14mm x 2mm	10 Inserts	Square Edge with Square Corner and Countersunk Hole	\$38.29
141420B	14mm x 14mm x 2mm	10 Inserts	150mm Radius Edge with Square Corner and Countersunk Hole	\$54.06
141420C	14mm x 14mm x 2mm	10 Inserts	150mm Radius Edge with Radius Corner and Countersunk Hole	\$54.06
151525A	15mm x 15mm x 2.5mm	10 Inserts	Square Edge with Square Corner and Countersunk Hole	\$50.46
151525B	15mm x 15mm x 2.5mm	10 Inserts	150mm Radius Edge with Square Corner and Countersunk Hole	\$54.06
151525C	15mm x 15mm x 2.5mm	10 Inserts	150mm Radius Edge with Radius Corner and Countersunk Hole	\$54.06



RECTANGLE INSERTS - TWO CUTTING EDGES				
PART	SIZE	PIECES	DESCRIPTION	PRICE
122015	12mm x 20mm x 1.5mm	10 Inserts	Single 4mm Hole in Center	\$36.04
123015	12mm x 30mm x 1.5mm	10 Inserts	Two 4mm Holes - Spaced 14mm Apart	\$50.46
124015	12mm x 40mm x 1.5mm	10 Inserts	Two 4mm Holes - Spaced 26mm Apart	\$50.46
125015	12mm x 50mm x 1.5mm	10 Inserts	Two 4mm Holes - Spaced 26mm Apart	\$61.27

BRAD POINT - CARBIDE TIPPED - INCH

BRAD POINT - 57MM OAL - 10MM SHANK			
INCH SIZES - CARBIDE TIPPED			
RH PART	LH PART	PRICE	CUTTING DIA
DB187-57 (RH)	DB187-57LH (LH)	\$13.80	3/16"
DB218-57 (RH)	DB218-57LH (LH)	\$13.80	7/32"
DB250-57 (RH)	DB250-57LH (LH)	\$13.80	1/4"

DOWEL DRILLS SUPPLIED
WITH FLAT ON SHANK



DB7-70

BRAD POINT - 70MM OAL - 10MM SHANK			
INCH SIZES - CARBIDE TIPPED			
RH PART	LH PART	PRICE	CUTTING DIA
DB187-70 (RH)	DB187-70LH (LH)	\$14.86	3/16"
DB218-70 (RH)	DB218-70LH (LH)	\$14.86	7/32"
DB250-70 (RH)	DB250-70LH (LH)	\$14.86	1/4"
DB375-70 (RH)	DB375-70LH (LH)	\$17.10	3/8"
DB437-70 (RH)	DB437-70LH (LH)	\$14.17	7/16"
DB500-70 (RH)	DB500-70LH (LH)	\$25.82	1/2"

BRAD POINT - CARBIDE TIPPED - METRIC

BRAD POINT - 57MM OAL - 10MM SHANK			
METRIC SIZES - CARBIDE TIPPED			
RH PART	LH PART	PRICE	CUTTING DIA
DB4-57 (RH)	DB4-57LH (LH)	\$12.13	4mm
DB5-57 (RH)	DB5-57LH (LH)	\$10.93	5mm
DB6-57 (RH)	DB6-57LH (LH)	\$11.24	6mm
DB7-57 (RH)	DB7-57LH (LH)	\$13.25	7mm
DB8-57 (RH)	DB8-57LH (LH)	\$11.80	8mm
DB9-57 (RH)	DB9-57LH (LH)	\$15.16	9mm
DB10-57 (RH)	DB10-57LH (LH)	\$14.86	10mm
DB11-57 (RH)	DB11-57LH (LH)	\$19.81	11mm
DB12-57 (RH)	DB12-57LH (LH)	\$17.05	12mm
DB13-57 (RH)	DB13-57LH (LH)	\$23.62	13mm
DB14-57 (RH)	DB14-57LH (LH)	\$26.32	14mm
DB15-57 (RH)	DB15-57LH (LH)	\$28.16	15mm
DB16-57 (RH)	DB16-57LH (LH)	\$28.16	16mm

BRAD POINT - 70MM OAL - 10MM SHANK			
METRIC SIZES - CARBIDE TIPPED			
RH PART	LH PART	PRICE	CUTTING DIA
DB4-70 (RH)	DB4-70LH (LH)	\$12.13	4mm
DB5-70 (RH)	DB5-70LH (LH)	\$11.77	5mm
DB6-70 (RH)	DB6-70LH (LH)	\$12.04	6mm
DB7-70 (RH)	DB7-70LH (LH)	\$14.11	7mm
DB8-70 (RH)	DB8-70LH (LH)	\$12.60	8mm
DB9-70 (RH)	DB9-70LH (LH)	\$15.94	9mm
DB10-70 (RH)	DB10-70LH (LH)	\$14.14	10mm
DB11-70 (RH)	DB11-70LH (LH)	\$17.10	11mm
DB12-70 (RH)	DB12-70LH (LH)	\$17.88	12mm
DB13-70 (RH)	DB13-70LH (LH)	\$19.78	13mm
DB14-70 (RH)	DB14-70LH (LH)	\$21.79	14mm
DB15-70 (RH)	DB15-70LH (LH)	\$23.37	15mm
DB16-70 (RH)	DB16-70LH (LH)	\$31.03	16mm

BRAD POINT - SOLID CARBIDE - METRIC

BRAD POINT - 57MM OAL - 10MM SHANK			
METRIC SIZES - SOLID CARBIDE			
RH PART	LH PART	PRICE	CUTTING DIA
DB3-57SC (RH)	DB3-57LHSC (LH)	\$22.47	3mm
DB4-57SC (RH)	DB4-57LHSC (LH)	\$22.33	4mm
DB5-57SC (RH)	DB5-57LHSC (LH)	\$22.54	5mm
DB6-57SC (RH)	DB6-57LHSC (LH)	\$25.29	6mm
DB8-57SC (RH)	DB8-57LHSC (LH)	\$35.12	8mm

BRAD POINT - 70MM OAL - 10MM SHANK			
METRIC SIZES - SOLID CARBIDE			
RH PART	LH PART	PRICE	CUTTING DIA
DB3-70SC (RH)	DB3-70LHSC (LH)	\$24.51	3mm
DB4-70SC (RH)	DB4-70LHSC (LH)	\$24.33	4mm
DB5-70SC (RH)	DB5-70LHSC (LH)	\$23.85	5mm
DB6-70SC (RH)	DB6-70LHSC (LH)	\$28.39	6mm
DB8-70SC (RH)	DB8-70LHSC (LH)	\$41.00	8mm



DH35-70

HINGE BORING BITS - CARBIDE TIPPED - IMPORT
SUPPLIED WITH FLAT ON SHANK

DH35-57

HINGE BORING BITS - METRIC - CARBIDE TIPPED			
57MM OAL - 10MM SHANK			
RH PART	LH PART	PRICE	CUTTING DIA
DH15-57 (RH)	DH15-57LH (LH)	\$30.84	15mm
DH20-57 (RH)	DH20-57LH (LH)	\$31.53	20mm
DH25-57 (RH)	DH25-57LH (LH)	\$33.12	25mm
DH30-57 (RH)	DH30-57LH (LH)	\$33.83	30mm
DH35-57 (RH)	DH35-57LH (LH)	\$34.38	35mm

HINGE BORING BITS - METRIC - CARBIDE TIPPED			
70MM OAL - 10MM SHANK			
RH PART	LH PART	PRICE	CUTTING DIA
DH15-70 (RH)	DH15-70LH (LH)	\$31.82	15mm
DH20-70 (RH)	DH20-70LH (LH)	\$32.52	20mm
DH25-70 (RH)	DH25-70LH (LH)	\$34.12	25mm
DH30-70 (RH)	DH30-70LH (LH)	\$37.15	30mm
DH35-70 (RH)	DH35-70LH (LH)	\$37.74	35mm

SOLID CARBIDE IS NOT GUARANTEED AGAINST BREAKAGE

THRU HOLE V-POINT - FACE FRAME COUNTERBORES

WHITESIDE

THRU HOLE V-POINT - CARBIDE TIPPED - INCH

THRU HOLE V-POINT - INCH - CARBIDE TIPPED			
57MM OAL - 10MM SHANK			
RH PART	LH PART	PRICE	CUTTING DIA
DT250-57 (RH)	DT250-57LH (LH)	\$18.62	1/4"

DOWEL DRILLS SUPPLIED
WITH FLAT ON SHANK



DT6-57

THRU HOLE V-POINT - INCH - CARBIDE TIPPED			
70MM OAL - 10MM SHANK			
RH PART	LH PART	PRICE	CUTTING DIA
DT187-70 (RH)	DT187-70LH (LH)	\$21.51	3/16"
DT218-70 (RH)	DT218-70LH (LH)	\$21.51	7/32"
DT250-70 (RH)	DT250-70LH (LH)	\$21.51	1/4"
DT375-70 (RH)	DT375-70LH (LH)	\$23.83	3/8"
DT437-70 (RH)	DT437-70LH (LH)	\$30.46	7/16"
DT500-70 (RH)	DT500-70LH (LH)	\$35.61	1/2"

THRU HOLE V-POINT - CARBIDE TIPPED - METRIC

THRU HOLE V-POINT - METRIC - CARBIDE TIPPED			
57MM OAL - 10MM SHANK			
RH PART	LH PART	PRICE	CUTTING DIA
DT4-57 (RH)	DT4-57LH (LH)	\$16.76	4mm
DT5-57 (RH)	DT5-57LH (LH)	\$14.17	5mm
DT6-57 (RH)	DT6-57LH (LH)	\$16.24	6mm
DT7-57 (RH)	DT7-57LH (LH)	\$17.32	7mm
DT8-57 (RH)	DT8-57LH (LH)	\$16.52	8mm
DT9-57 (RH)	DT9-57LH (LH)	\$23.08	9mm
DT10-57 (RH)	DT10-57LH (LH)	\$19.51	10mm
DT11-57 (RH)	DT11-57LH (LH)	\$15.95	11mm
DT12-57 (RH)	DT12-57LH (LH)	\$28.65	12mm
DT13-57 (RH)	DT13-57LH (LH)	\$15.95	13mm
DT14-57 (RH)	DT14-57LH (LH)	\$18.58	14mm

THRU HOLE V-POINT - METRIC - CARBIDE TIPPED			
70MM OAL - 10MM SHANK			
RH PART	LH PART	PRICE	CUTTING DIA
DT4-70LH (LH)	DT4-70LH (LH)	\$17.57	4mm
DT5-70LH (LH)	DT5-70LH (LH)	\$15.95	5mm
DT6-70LH (LH)	DT6-70LH (LH)	\$17.07	6mm
DT8-70LH (LH)	DT8-70LH (LH)	\$17.23	8mm
DT9-70LH (LH)	DT9-70LH (LH)	\$23.89	9mm
DT10-70LH (LH)	DT10-70LH (LH)	\$25.34	10mm
DT11-70LH (LH)	DT11-70LH (LH)	\$18.02	11mm
DT12-70LH (LH)	DT12-70LH (LH)	\$26.32	12mm
DT13-70LH (LH)	DT13-70LH (LH)	\$18.02	13mm
DT15-70LH (LH)	DT15-70LH (LH)	\$20.66	15mm

THRU HOLE V-POINT - SOLID CARBIDE - METRIC

THRU HOLE V-POINT - METRIC - SOLID CARBIDE			
57MM OAL - 10MM SHANK			
RH PART	LH PART	PRICE	CUTTING DIA
DT3-57SC (RH)	DT3-57LHSC (LH)	\$25.78	3mm
DT4-57SC (RH)	DT4-57LHSC (LH)	\$25.98	4mm
DT5-57SC (RH)	DT5-57LHSC (LH)	\$23.91	5mm
DT6-57SC (RH)	DT6-57LHSC (LH)	\$27.74	6mm
DT8-57SC (RH)	DT8-57LHSC (LH)	\$36.66	8mm

THRU HOLE V-POINT - METRIC - SOLID CARBIDE			
70MM OAL - 10MM SHANK			
RH PART	LH PART	PRICE	CUTTING DIA
DT3-70SC (RH)	DT3-70LHSC (LH)	\$28.70	3mm
DT4-70SC (RH)	DT4-70LHSC (LH)	\$26.58	4mm
DT5-70SC (RH)	DT5-70LHSC (LH)	\$25.62	5mm
DT6-70SC (RH)	DT6-70LHSC (LH)	\$27.98	6mm
DT8-70SC (RH)	DT8-70LHSC (LH)	\$41.00	8mm

WHITESIDE HINGE BORING BIT - This Hinge Boring bit features a centering point and two carbide spurs to eliminate tear-out. This 35mm cutting diameter bit is designed specifically for European style cabinet door hinges. Manufactured by Whiteside Machine Company. Use only in drill press or boring machine. NOT for use in routers.



6140

WHITESIDE HINGE BORING BIT				
PART	SHANK DIA	CUTTING DIA	OAL	PRICE
6140	3/8"	35mm	2-3/8"	\$57.12

FACE FRAME COUNTERBORES - Carbide Tipped - Standard Type fits Unique, Norfield, Evans, Ritter, and Marcon face frame boring machines. Long Version is for use on drill press.



FF301

FACE FRAME COUNTERBORES CARBIDE TIPPED					
PART	COUNTERBORE DIA	PILOT DIA	LENGTH	TYPE	PRICE
FF301	3/8"	0.136"	4"	Standard	\$40.46
FF301SP	3/8"	0.136"	4"	Spiral Flute	\$48.55
FF302	3/8"	0.136"	6"	Long	\$70.52
FF303	Replacement 0.136" Pilot Fishtail Drill Bit (HSS)				\$6.90
FF304	Replacement Set Screw - Uses 5/64" Hex Key				\$0.33

SOLID CARBIDE IS NOT GUARANTEED AGAINST BREAKAGE

WHITESIDE COUNTERSINKS - VIX - COUNTERSINK & REPLACEMENT DRILLS

COUNTERSINKS - STANDARD CARBON STEEL OR PREMIUM HIGH SPEED STEEL - Four Flute Adjustable - Whiteside's 82° Countersink Heads are designed to slip over the drill bit and affix with dual set screws into the flutes. Adjust the drilling length by sliding the head up or down the bit. Use to countersink holes in wood, plastic, or aluminum for flat head screws. Upgrade to the High Speed Steel series for longer life, especially in fiberglass or other abrasive materials. Matching drill bits are offered below for your convenience.

COUNTERSINKS - STANDARD CARBON STEEL				
PART	SCREW SIZE	DRILL SIZE	COUNTERSINK DIA	PRICE
8060004	#4	7/64"	3/8"	\$7.73
8060005	#5	1/8"	3/8"	\$7.73
8060006	#6	9/64"	3/8"	\$7.73
8060007	#7	5/32"	3/8"	\$7.73
8060008	#8	11/64"	3/8"	\$7.73
8060009	#9	3/16"	3/8"	\$7.73
8060010	#10	13/64"	1/2"	\$7.73
8060012	#12	7/32"	1/2"	\$7.73
8060014	#14	1/4"	1/2"	\$7.73



COUNTERSINKS - HIGH SPEED STEEL				
PART	SCREW SIZE	DRILL SIZE	COUNTERSINK DIA	PRICE
8070004	#4	7/64"	3/8"	\$16.44
8070005	#5	1/8"	3/8"	\$16.44
8070006	#6	9/64"	3/8"	\$16.44
8070007	#7	5/32"	3/8"	\$16.44
8070008	#8	11/64"	3/8"	\$16.44
8070009	#9	3/16"	3/8"	\$16.44
8070010	#10	13/64"	1/2"	\$17.39
8070012	#12	7/32"	1/2"	\$17.39
8070014	#14	1/4"	1/2"	\$17.39



SET 8067774

COUNTERSINK SET 8067774 WITH MATCHING TAPER DRILL BITS

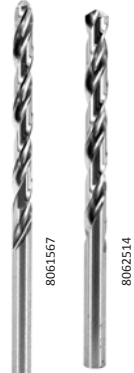
Includes:

- 8060010 (#10 Screw)
- 8060008 (#8 Screw)
- 8060006 (#6 Screw)
- 8060014 (#14 Screw)

COUNTERSINK SET	
PART	PRICE
8067774	\$58.29

DRILLS For Countersinks - These drill bits are the appropriate size for the Whiteside Adjustable Countersinks. Choose standard Jobber Drills for best economy. The optional Taper Point Drills are ideal for better control on entry and exit. The Taper Point resists the rapid pull-in tendency of gelcoat and other hard, thin materials. They also break through less abruptly, which helps reduce blowout on exit.

DRILLS FOR COUNTERSINKS - JOBBER DRILLS				
PART	DIA	DECIMAL	SCREW SIZE	PRICE
8061094	7/64"	0.1094"	#4	\$1.91
8061255	1/8"	0.1250"	#5	\$1.91
8061416	9/64"	0.1406"	#6	\$2.14
8061567	5/32"	0.1562"	#7	\$2.14
8061728	11/64"	0.1719"	#8	\$2.33
8061879	3/16"	0.1875"	#9	\$2.50
8062010	13/64"	0.2031"	#10	\$2.75
8062212	7/32"	0.2188"	#12	\$3.00
8062514	1/4"	0.2500"	#14	\$3.34



DRILLS FOR COUNTERSINKS - TAPER POINT DRILLS				
PART	DIA	DECIMAL	SCREW SIZE	PRICE
8071416	9/64"	0.1406"	#6	\$4.05
8071728	11/64"	0.1719"	#8	\$4.53
8072010	13/64"	0.2031"	#10	\$5.24
8072514	1/4"	0.2500"	#14	\$7.06

Self-Centering VIX BITS - Accurately center and drill holes for hinges, striker plates, door butts, window pulls, and other hardware requiring screws. Drills equally well in metals, plastics, wood, and other materials.



SELF CENTERING VIX BITS			
PART	SIZE	DESCRIPTION	PRICE
1/4" SHANK			
8110003	5/64"	#3 & #4 Wood Screw	\$16.67
8110005	7/64"	#5 & #6 Wood Screw	\$16.67
8110008	9/64"	#8, #9 & #10 Wood Screw	\$16.67
3/8" SHANK			
8110012	11/64"	#12 Wood Screw	\$42.88
8110014	13/64"	#14 Wood Screw	\$42.88
8110051	5 mm	5mm Shelf Pin - 3/8" Pilot	\$35.75
8110025	1/4"	1/4" Shelf Pin - 3/8" Pilot	\$35.75



REPLACEMENT DRILL BITS			
PART	SIZE	DESCRIPTION	PRICE
8110783	5/64"	Replacement Bit	\$4.76
8111095	7/64"	Replacement Bit	\$4.76
8111418	9/64"	Replacement Bit	\$4.76
8111712	11/64"	Replacement Bit	\$7.14
8112014	13/64"	Replacement Bit	\$7.14
8115051	5mm	Replacement Bit	\$7.14
8112525	1/4"	Replacement Bit	\$7.14

3-WING WOOD DRILLS - 6" OAL - Carbide Tipped - 1/2" Shank - Bores clean accurate holes in wood, plastic laminates, Formica, and Masonite. Carbide tipped for long life even in abrasive materials. The outside spurs outline the hole and help prevent fraying, chipping, and blowout. The replaceable 1/8" diameter high speed steel center point starts the hole and prevents the bit from walking. Replace the center point with a 1/8" drill bit if desired. Can be re-sharpened or re-tipped.



3-WING WOOD DRILLS				
PART	SIZE	SHANK DIA	OAL	PRICE
8120687	11/16"	1/2"	6"	\$107.19
8120750	3/4"	1/2"	6"	\$107.19
8120812	13/16"	1/2"	6"	\$107.19
8120875	7/8"	1/2"	6"	\$109.57
8121000	1"	1/2"	6"	\$109.57
8121125	1-1/8"	1/2"	6"	\$114.34
8121250	1-1/4"	1/2"	6"	\$126.25
8121375	1-3/8"	1/2"	6"	\$138.16

3-WING WOOD DRILLS				
PART	SIZE	SHANK DIA	OAL	PRICE
8121500	1-1/2"	1/2"	6"	\$148.88
8121625	1-5/8"	1/2"	6"	\$152.45
8121750	1-3/4"	1/2"	6"	\$154.83
8121875	1-7/8"	1/2"	6"	\$183.41
8122000	2"	* 1/2"	6"	\$185.80
8122125	2-1/8"	* 1/2"	6"	\$185.80
8122250	2-1/4"	* 1/2"	6"	\$214.39
8122500	2-1/2"	* 1/2"	6"	\$226.29

* Sizes 2" and larger have 1/2" shank with 3/4" diameter reinforced step as in photo.



Notes:

- Replaceable Center Point is Part 8070125
- Optional 1/8" Machine Drill Center Point is Part 8061240

3-WING COMPOSITE DRILLS - 3-7/8" OAL - Carbide Tipped - Quick Change Shank - These 3-Wing Carbide Tipped Drills are designed for extended life in fiberglass and other composites. The 7/16" hex shank provides a no-slip grip when used with a standard three jaw chuck. This shank design also makes switching to a different size so simple when used with Quick Change Chucks. Accurate centering is ensured by the replaceable 1/8" high speed steel center point. Bits perform equally well in handheld electric or pneumatic drills as well as boring machines and drill presses. Can be re-sharpened or re-tipped.

3-WING COMPOSITE DRILLS				
PART	SIZE	RECOMMENDED REV/MIN	OAL	PRICE
8030500	1/2"	2500-3000	3-7/8"	\$100.04
8030562	9/16"	2500-3000	3-7/8"	\$100.04
8030625	5/8"	2500-3000	3-7/8"	\$100.04
8030687	11/16"	2500-3000	3-7/8"	\$100.04
8030750	3/4"	2500-3000	3-7/8"	\$100.04
8030812	13/16"	2200-2800	3-7/8"	\$100.04
8030875	7/8"	2200-2800	3-7/8"	\$100.04
8030937	15/16"	2200-2800	3-7/8"	\$100.04
8031000	1"	2200-2800	3-7/8"	\$100.04
8031062	1-1/16"	2000-2500	3-7/8"	\$109.57
8031125	1-1/8"	2000-2500	3-7/8"	\$114.34
8031250	1-1/4"	2000-2500	3-7/8"	\$126.25

3-WING COMPOSITE DRILLS				
PART	SIZE	RECOMMENDED REV/MIN	OAL	PRICE
8031312	1-5/16"	2000-2500	3-7/8"	\$133.39
8031375	1-3/8"	2000-2500	3-7/8"	\$133.39
8031437	1-7/16"	2000-2500	3-7/8"	\$142.92
8031500	1-1/2"	2000-2500	3-7/8"	\$148.88
8031625	1-5/8"	2000-2500	3-7/8"	\$152.45
8031750	1-3/4"	2000-2500	3-7/8"	\$154.83
8031875	1-7/8"	2000-2500	3-7/8"	\$166.74
8032000	2"	1800-2300	3-7/8"	\$185.80
8032125	2-1/8"	1500-2000	3-7/8"	\$197.71
8032250	2-1/4"	1500-2000	3-7/8"	\$214.39
8032500	2-1/2"	1500-2000	3-7/8"	\$226.29



Notes:

- Replaceable Center Point is Part 8070125
- Optional 1/8" Machine Drill Center Point is Part 8061240

WHITESIDE COMPOSITE DRILLS - QUICK CHANGE CHUCKS - SPARE PARTS

COMPOSITE DRILLS - With Pilot Drill - 3-7/8" OAL - Carbide Tipped - Quick Change Shank - These drills have all the attributes of the 803 series but with a larger 1/4" diameter center hole as requested by several industrial users. This bit is supplied with a 1/4" Taper Point Drill bit that allows better control when trying to make a gentle entry. These bits can also be used with the 1/4" Pilot Rod (supplied) in applications that follow a 1/4" pre-drilled guide hole. This series has proven to be very effective in soft, gummy materials such as King Starboard. Can be re-sharpened or re-tipped.



COMPOSITE DRILLS - WITH PILOT DRILL				
PART	SIZE	RECOMMENDED REV/MIN	OAL	PRICE
8090750	3/4"	2500-3000	3-7/8"	\$107.19
8090937	15/16"	2200-2800	3-7/8"	\$107.19
8091000	1"	2200-2800	3-7/8"	\$107.19
8091062	1-1/16"	2200-2800	3-7/8"	\$121.49
8091125	1-1/8"	2000-2500	3-7/8"	\$121.49
8091187	1-3/16"	2000-2500	3-7/8"	\$133.39
8091250	1-1/4"	2000-2500	3-7/8"	\$133.39
8091312	1-5/16"	2000-2500	3-7/8"	\$145.30
8091375	1-3/8"	2000-2500	3-7/8"	\$140.53
8091500	1-1/2"	2000-2500	3-7/8"	\$156.02
8091750	1-3/4"	2000-2500	3-7/8"	\$161.98
8092125	2-1/8"	2000-2500	3-7/8"	\$204.86
8092250	2-1/4"	2000-2500	3-7/8"	\$221.53



Note: Each 809 Series Drill is supplied with 1/4" Tapered Point Drill bit, a 1/4" Pilot Rod, and a 3/32" Hex Key Wrench

QUICK CHANGE TOOLING CHUCKS - Whiteside's Quick Change Tooling was designed for the production environment to allow a quick and easy switch from one tool size to the next. The 7/16" hex design is larger and stronger than most. This design allows the use of larger drill bits and hole saws with Quick Change Chucks. (Hex shank tooling will also work great in standard three jaw chucks). The Chucks are provided with a 1/2" hex shank for most applications or with a 3/8" hex shank for use in drills with only a 3/8" capacity. This system really makes changing tools a snap.

QUICK CHANGE TOOLING CHUCKS				
PART	SHANK DIA	ADAPTER SIZE	OAL	PRICE
8020375	3/8" Hex	7/16" Hex	2-3/4"	\$53.59
8020500	1/2" Hex	7/16" Hex	2-3/4"	\$42.88



SPARE PARTS			
PART	DESCRIPTION	APPLICATION	PRICE
8070125	Replacement 1/8" Center Pin	Series 803 & 812 3-Wing Drills	\$2.98
8061240	Optional 1/8" Machine Drill	Series 803 & 812 3-Wing Drills	\$2.39
8070250	1/4" Taper Point Drill	Series 809 3-Wing Drills & 800 Hole Saws	\$8.64
8070000	1/4" x 3-3/8" Pilot Rod	Series 809 3-Wing Drills & 800 Hole Saws	\$11.91
8060256	1/4" x 6" Drill Bit	Series 808 Deep-Cor Hole Saws	\$11.91
HK-3/32	3/32" Hex Key Wrench	Series 803, 809, & 812 3-Wing Drills	\$1.33
HK-1/8	1/8" Hex Key Wrench	All Hole Saws / Quick Change Shanks	\$1.33
103225S	#10-32 Set Screw (10 pcs)	Series 803, 809, & 812 3-Wing Drills	\$4.76
252845S	1/4"-28 Set Screw (10 pcs)	All Hole Saws / Quick Change Shanks	\$4.76



SELF CLEAN HOLE SAW - Carbide Tipped - The Self Clean Hole Saw brings about a new generation of hole saws. Marine manufacturers were consulted in their development. The tool saws faster than conventional hole saws plus saves additional time because the plug falls out of the tool when the cut is finished. Made from high grade steel, carbide tipped, and produced specifically for cutting fiberglass. The quick change system further increases productivity when moving from one hole size to another. Can be re-sharpened or re-tipped. U.S. Patent # 7,189,036

SELF CLEAN HOLE SAW - CARBIDE TIPPED			
PART	SIZE	RECOMMENDED REV/MIN	PRICE
8001000	1"	1800-2300	\$95.05
8001062	1-1/16"	1800-2300	\$95.05
8001125	1-1/8"	1800-2300	\$95.05
8001187	1-3/16"	1800-2300	\$95.05
8001250	1-1/4"	1800-2300	\$95.05
8001312	1-5/16"	1800-2300	\$106.00
8001375	1-3/8"	1800-2300	\$106.00
8001437	1-7/16"	1800-2300	\$106.00
8001500	1-1/2"	1800-2300	\$106.00
8001625	1-5/8"	1800-2300	\$121.49
8001687	1-11/16"	1800-2300	\$121.49
8001750	1-3/4"	1800-2300	\$121.49
8001875	1-7/8"	1800-2300	\$126.25
8001937	1-15/16"	1800-2300	\$126.25
8002000	2"	1800-2300	\$126.25
8002062	2-1/16"	1800-2300	\$142.92
8002125	2-1/8"	1800-2300	\$142.92
8002187	2-3/16"	1800-2300	\$142.92
8002250	2-1/4"	1800-2300	\$142.92
8002312	2-5/16"	1800-2300	\$154.83
8002375	2-3/8"	1800-2300	\$154.83
8002500	2-1/2"	1800-2300	\$154.83
8002625	2-5/8"	1800-2300	\$172.70
8002750	2-3/4"	1800-2300	\$172.70
8002875	2-7/8"	1800-2300	\$183.41
8003000	3"	1500-2000	\$183.41
8003125	3-1/8"	1500-2000	\$201.28
8003250	3-1/4"	1500-2000	\$201.28
8003375	3-3/8"	1500-2000	\$201.28

SELF CLEAN HOLE SAW - CARBIDE TIPPED			
PART	SIZE	RECOMMENDED REV/MIN	PRICE
8003437	3-7/16"	1200-1800	\$201.28
8003500	3-1/2"	1200-1800	\$201.28
8003625	3-5/8"	1200-1800	\$226.29
8003687	3-11/16"	800-1200	\$226.29
8003750	3-3/4"	800-1200	\$226.29
8003875	3-7/8"	800-1200	\$226.29
8004000	4"	500-1200	\$262.02
8004125	4-1/8"	500-1200	\$262.02
8004250	4-1/4"	500-1200	\$262.02
8004312	4-5/16"	500-1200	\$290.61
8004375	4-3/8"	500-1200	\$290.61
8004500	4-1/2"	500-1200	\$290.61
8004625	4-5/8"	500-1200	\$309.67
8004750	4-3/4"	500-1200	\$309.67
8005000	5"	500-1200	\$327.53
8005250	5-1/4"	500-1200	\$345.39
8005312	5-5/16"	500-1200	\$357.30
8005500	5-1/2"	500-1200	\$357.30
8005625	5-5/8"	500-1200	\$381.12
8005750	5-3/4"	500-1200	\$381.12
8006000	6"	500-1200	\$393.04
8006250	6-1/4"	500-1200	\$404.94
8006375	6-3/8"	500-1200	\$422.81
8006500	6-1/2"	500-1200	\$422.81
8006625	6-5/8"	500-1200	\$428.77
8006875	6-7/8"	500-1200	\$482.36
8007250	7-1/4"	500-1200	\$541.91
8008500	8-1/2"	500-1200	\$839.67
8008625	8-5/8"	500-1200	\$869.44

CUT DEPTH 1"



800K KIT		
PART	DESCRIPTION	PRICE
800K Kit	Includes: 2" Quick Change Shank 800/QCS, 1/4" Pilot Rod 8070000, 1/4" Tapered Point Drill 8070250, 1/8" Allen Wrench HK-1/8	\$23.82



Notes:

- Hole Saws are typically sold as a kit.
- To order a Hole Saw without the kit, remove the "K" suffix from the Part #.
- Additional Sizes are available by custom order.



DEEP-COR HOLE SAW - Carbide Tipped - Deep-Cor Hole Saws feature a 3” depth of cut (over twice the depth of standard hole saws). The Deep-Cor is the ideal tool to use when drilling through thick materials such as transoms for “thru-hull” exhaust holes or bulkheads. These saws also boast a “trim tooth” that trims the plug generated by the saws and allows for easy extraction. They feature long lasting carbide tips and premium steel bodies. Unlike traditional hole saws, Deep-Cor is constructed with a fluted body and a slotted wall which allows the saw to expel chips more efficiently than standard saws. The long plug generated by boring completely through the transom will typically fall out without assistance, saving boat builders time and money. Can be re-sharpened or re-tipped.

Notes:

- Hole Saws are typically sold as a kit.
- To order a Hole Saw without the kit, remove the “K” suffix from the Part #.
- Additional Sizes are available by custom order.



8083625

DEEP-COR HOLE SAW - CARBIDE TIPPED				
PART	SIZE	RECOMMENDED REV/MIN	CUT DEPTH	PRICE
8081187	1-3/16"	1800-2300	3"	\$154.47
8081500	1-1/2"	1800-2300	3"	\$170.91
8081625	1-5/8"	1800-2300	3"	\$194.14
8081750	1-3/4"	1800-2300	3"	\$194.14
8081875	1-7/8"	1800-2300	3"	\$201.28
8082125	2-1/8"	1800-2300	3"	\$226.29
8082312	2-5/16"	1800-2300	3"	\$244.16
8082375	2-3/8"	1800-2300	3"	\$244.16
8083000	3"	1500-2000	3"	\$287.04
8083250	3-1/4"	1500-2000	3"	\$313.83
8083500	3-1/2"	1500-2000	3"	\$313.83
8083625	3-5/8"	1500-2000	3"	\$351.35
8084000	4"	500-1200	3"	\$404.94
8084125	4-1/8"	500-1200	3"	\$404.94
8084625	4-5/8"	500-1200	3"	\$476.41
8084750	4-3/4"	500-1200	3"	\$476.41



800K KIT		
PART	DESCRIPTION	PRICE
808K KIT	Includes: 2" Quick Change Shank 800/QCS, 1/4" X 6" OAL Drill Bit 8060256, 1/8" Allen Wrench HK-1/8	\$23.82



808K KIT

QUICK CHANGE SHANK - Quick Change Shanks can be used with the Self Clean (800 Series) or the Deep-Cor Hole Saws (808 Series). The standard 2" length is supplied with each kit. Longer lengths are available for extra reach. These shanks are compatible with the Quick Change Chucks page 246



800-3/QCS

QUICK CHANGE SHANK			
PART	SHANK	SHANK LENGTH	PRICE
800/QCS	7/16" Hex	2"	\$14.29
800-3/QCS	7/16" Hex	3"	\$17.86
800-4/QCS	7/16" Hex	4"	\$21.43
800-6/QCS	7/16" Hex	6"	\$28.59



800/QCS

TRANSOM DRILL - 8" OAL / Quick Change Shank - In conjunction with the marine industry, the Transom Drill was developed to eliminate the problems associated with drilling through fiberglass and wood. Due to the special parabolic flute design, chip packing problems are eliminated and make short work of drilling through thick transoms. Micro-grain carbide tips and premium steel bodies ensure maximum performance and durability. This bit is ideal to drill mounting holes for outdrive gimbal brackets, outboard engine brackets, and drain holes. Can be re-sharpened or re-tipped.

TRANSOM DRILL - 8" OAL					
PART	DIA	TWIST LENGTH	OAL	RECOMMENDED REV/MIN	PRICE
8040437	7/16"	6"	8"	2000-3000	\$95.28
8040500	1/2"	6"	8"	2000-3000	\$95.28
8040531	17/32"	6"	8"	2000-3000	\$95.28
8040562	9/16"	6"	8"	2000-3000	\$95.28
8040625	5/8"	6"	8"	2000-3000	\$100.04
8040750	3/4"	6"	8"	2000-3000	\$100.04
8040937	15/16"	6"	8"	2000-3000	\$114.34
8041000	1"	6"	8"	2000-3000	\$114.34



8040437



8040562

TRANSOM DRILL - 5" OAL / Quick Change Shank - A shorter, more compact version of the 8" Transom Drill. The carbide tipped vee point offers the toughest and most durable drill point. The flute design facilitates easy chip evacuation. This drill will go through thick composites in half the time and last up to 20 times longer than high speed jobber drills. Can be re-sharpened or re-tipped.

TRANSOM DRILL - 5" OAL					
PART	DIA	TWIST LENGTH	OAL	RECOMMENDED REV/MIN	PRICE
8050375	3/8"	3-3/4"	5"	2000-3000	\$88.14
8050500	1/2"	3-3/4"	5"	2000-3000	\$88.14
8050562	9/16"	3-3/4"	5"	2000-3000	\$88.14
8050750	3/4"	3-3/4"	5"	2000-3000	\$102.43
8051000	1"	3-3/4"	5"	2000-3000	\$111.96



8050562



8051000

BRAD POINT TRANSOM DRILL - 5" OAL / Quick Change Shank - These self-centering Transom Drills have several design attributes that save time and money. Designed to make clean, accurate cuts in gelcoat with minimal chipping & "blowout". Features a "climbing flute" for easy chip evacuation (self-cleaning, no pecking). The center point produces no "walking" during entry. Can be re-sharpened or re-tipped.

BRAD POINT TRANSOM DRILL - 5" OAL					
PART	DIA	TWIST LENGTH	OAL	RECOMMENDED REV/MIN	PRICE
8100312	5/16"	3-3/4"	5"	2000-3000	\$102.43
8100375	3/8"	3-3/4"	5"	2000-3000	\$102.43
8100500	1/2"	3-3/4"	5"	2000-3000	\$102.43



8100375



8100500

For METAL CLAD DOORS - Traditional downcut spiral door bits on the market “BLOW OUT” material on the bottom side of the door after the bit dulls. Whiteside’s Compression Door-Lite bit continues to perform after dulling because the material is “pulled” up instead of being pushed down. They are made of high grade Tool Steel and precision ground on state of the art CNC grinders. US Patent No. US D669,923 S

Test Results - Tests were conducted of the Whiteside Machine Up/Down Door-Lite Bit against traditional spiral door bits. Test cuts were performed on a CNC door cutting machine routing steel clad exterior doors. The traditional bit cut an average of 12,000 inches per bit, whereas the Whiteside Door-Lite bit cut an amazing 22,000 inches!



METAL CLAD DOORS - SINGLE FLUTE					
PART	DIA	CEL	OAL	DESCRIPTION	PRICE
HC5250	1/2"	2-1/2"	5-1/2"	Round Shank	\$50.99
HCF5250	1/2"	2-1/2"	5-1/2"	Flat on Shank	\$53.31



HC5250



HCF5250

For FIBERGLASS & WOOD DOORS

CARBIDE TIPPED STRAIGHT					
PART	DIA	CEL	OAL	DESCRIPTION	PRICE
1073-01	1/2"	2-1/2"	5-1/2"	Round Shank	\$42.84
1073-03	1/2"	2-1/2"	5-1/2"	Flat on Shank	\$44.97



1073-01



1205

CARBIDE TIPPED STAGGERTOOTH					
PART	DIA	CEL	OAL	DESCRIPTION	PRICE
1205	1/2"	2-5/8"	5-1/2"	Round Shank	\$57.76

SOLID CARBIDE SPIRAL UP/DOWN CUT (2 + 2) COMPRESSION					
PART	DIA	CEL	OAL	DESCRIPTION	PRICE
UD5222	1/2"	2-1/4"	5-1/2"	Round Shank	\$149.83



UD5222



HMA-1/4

SCREW TYPE HELIX MORTISE & ARBORS
With Downshear Cutters

See the complete selection of Hinge Mortise Bits page 212



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PHONE:	EMAIL:	
SHIP TO (IF DIFFERENT):		

PART/ITEM #	DESCRIPTION	QTY	PRICE PER	ITEM TOTAL
NOTES:		SUBTOTAL		
		(TURN FORM OVER) SUBTOTAL 2		
		(MO RESIDENTS ADD 8.75%) SALES TAX		
		SHIPPING CHARGE		
		TOTAL		

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SIGNATURE:

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EXP DATE:

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[illegible]

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PART/ITEM #	DESCRIPTION	QTY	PRICE PER	ITEM TOTAL
NOTES:		SUBTOTAL		
		(TURN FORM OVER) SUBTOTAL 2		
		(MO RESIDENTS ADD 8.75%) SALES TAX		
		SHIPPING CHARGE		
		TOTAL		

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Questions? See INFORMATION on page 4 or call us Monday-Friday 8:30am-4:30pm CST at 800-288-7483

ENTER CARD NUMBER BELOW:

SIGNATURE:

EXP DATE:

CVV CODE:

MAIL-IN ORDER FORM (CONTINUED)

PART/ITEM #	DESCRIPTION	QTY	PRICE PER	ITEM TOTAL
(ADD THIS AMOUNT UNDER SUBTOTAL 2 ON FRONT OF FORM) SUBTOTAL 2				

MEASUREMENT CONVERSIONS

For Inches to mm: multiply inches by 25.4

For mm to Inches: divide mm by 25.4

Examples:

10" = 254mm (10 x 25.4 = 254)

127mm = 5" (127/25.4 = 5)

1" = 25.4mm

1mm = .03937"

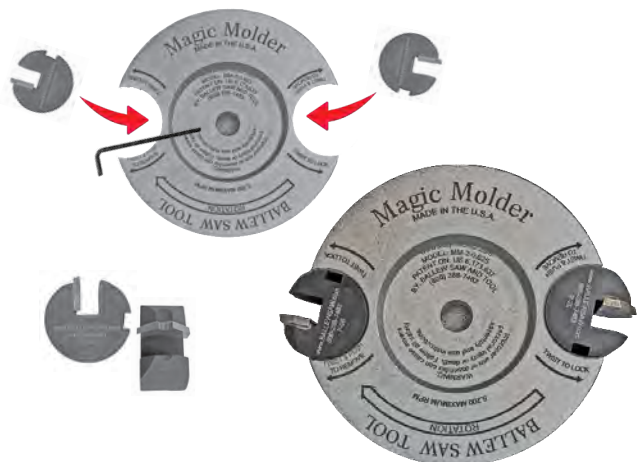
.001" (1/10") = .0254mm

fraction	decimal	mm	fraction	decimal	mm	fraction	decimal	mm
1/64	.015625	0.397	23/64	.359375	9.128	45/64	.703125	17.859
1/32	.031250	0.794	3/8	.375000	9.525	23/32	.718750	18.256
3/64	.046875	1.191	25/64	.390625	9.922	47/64	.734375	18.653
1/16	.062500	1.588	13/32	.406250	10.319	3/4	.750000	19.050
5/64	.078125	1.984	27/64	.421875	10.716	49/64	.765625	19.447
3/32	.093750	2.381	7/16	.437500	11.113	25/32	.781250	19.844
7/64	.109375	2.778	29/64	.453125	11.509	51/64	.796875	20.241
1/8	.125000	3.175	15/32	.468750	11.906	13/16	.812500	20.638
9/64	.140625	3.572	31/64	.484375	12.303	53/64	.828125	21.034
5/32	.156250	3.969	1/2	.500000	12.700	27/32	.843750	21.034
11/64	.171875	4.366	33/64	.515625	13.097	55/64	.859375	21.828
3/16	.187500	4.763	17/32	.531250	13.494	7/8	.875000	22.225
13/64	.203125	5.159	35/64	.546875	13.891	57/64	.890625	22.622
7/32	.218750	5.556	9/16	.562500	14.288	29/32	.906250	23.019
15/64	.234375	5.953	37/64	.578125	14.684	59/64	.921875	23.416
1/4	.250000	6.350	19/32	.593750	15.081	15/16	.937500	23.813
17/64	.265625	6.747	39/64	.609375	15.478	61/64	.953125	24.209
9/32	.281250	7.144	5/8	.625000	15.875	31/32	.968750	24.606
19/64	.296875	7.541	41/64	.640625	16.272	63/64	.984375	25.003
5/16	.312500	7.938	21/32	.656250	16.669	1	1.00000	25.400
21/64	.328125	8.334	43/64	.671875	17.066			
11/32	.343750	8.731	11/16	.687500	17.463			

mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
.1	.0039	14	.5512	36	1.4173	58	2.2835	80	3.1496
.2	.0079	15	.5906	37	1.4567	59	2.3228	81	3.1890
.3	.0118	16	.6299	38	1.4961	60	2.3622	82	3.2283
.4	.0157	17	.6693	39	1.5354	61	2.4016	83	3.2677
.5	.0197	18	.7087	40	1.5748	62	2.4409	84	3.3071
.6	.0236	19	.7480	41	1.6142	63	2.4803	85	3.3465
.7	.0276	20	.7874	42	1.6535	64	2.5197	86	3.3858
.8	.0315	21	.8268	43	1.6929	65	2.5591	87	3.4252
.9	.0354	22	.8661	44	1.7323	66	2.5984	88	3.4646
1	.0394	23	.9055	45	1.7717	67	2.6378	89	3.5039
2	.0787	24	.9449	46	1.8110	68	2.6772	90	3.5433
3	.1181	25	.9843	47	1.8504	69	2.7165	91	3.5827
4	.1575	26	1.0236	48	1.8898	70	2.7559	92	3.6220
5	.1969	27	1.0630	49	1.9291	71	2.7953	93	3.6614
6	.2362	28	1.1024	50	1.9685	72	2.8346	94	3.7008
7	.2756	29	1.1417	51	2.0079	73	2.8740	95	3.7402
8	.3150	30	1.1811	52	2.0472	74	2.9134	96	3.7795
9	.3543	31	1.2205	53	2.0866	75	2.9528	97	3.8189
10	.3937	32	1.2598	54	2.1260	76	2.9921	98	3.8583
11	.4331	33	1.2992	55	2.1654	77	3.0315	99	3.8976
12	.4724	34	1.3386	56	2.2047	78	3.0709	100	3.9370
13	.5118	35	1.3780	57	2.2441	79	3.1102		

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Magic Molder Custom Molding Tooling System

see page 156

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- Included spacer works on right- and left-tilting table saws

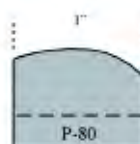
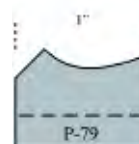
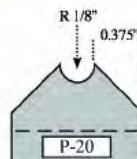
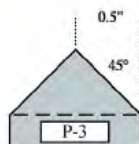
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