



freud®

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GENERAL PRODUCTS CATALOG

The World's Best Cutting Tools

Designed for Superior Performance and Maximum Life

Innovation

Premier Fusion General Purpose Saw Blades



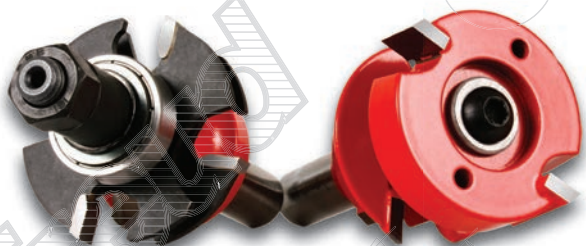
Page 9

Premier Solid Carbide Bits



Page 101

Premier Adjustable Rail & Stile Set



Page 220

Extended (X) Life Series Panel Saw Blades



Page 52

Dial-A-Width Dado Set



Page 73

Quadra-Cut™ 4 Cutter Design Bits



Page 238

Pallet Blades



Page 45

Entry & Interior Door Set



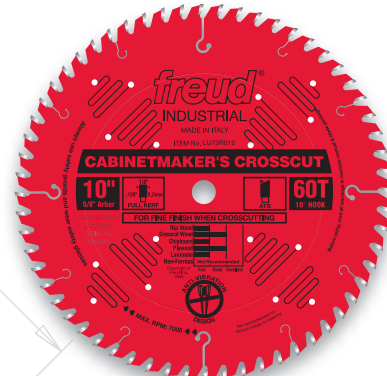
Page 228

French Door Set



Page 233

LU73R Series



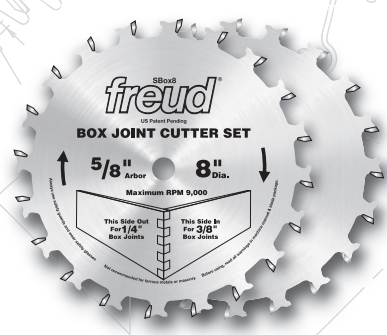
Page 17

7-1/4" Plywood & Melamine Blade



Page 23

Box Joint Cutter Set



Page 77

Contents

freud®



Introduction

Freud Manufacturing & Innovation.....	4
---------------------------------------	---

Saw Blades

Introduction.....	2
Ripping Blades.....	4
General Purpose/Combination Blades.....	9
Crosscutting Blades.....	17
Plywood Blades	22
Stacked Chipboard Blades.....	24
Laminate & Melamine Blades	25
Specialty Blades	29
Industrial Specialty Blades.....	32
Industrial Ripping Blades	44
Industrial Crosscutting Blades.....	46
Industrial Scoring Blades	47
Industrial Panel Sizing Blades	52
Industrial Machine Reference Chart	64
Dado Sets.....	73
Accessories & Replacement Parts.....	81



Router Bits

Introduction.....	86
Straight, Spiral & Trim Bits	88
Edge Treatment & Grooving Bits	122
Architectural Millwork Bits.....	155
Joinery Bits	176
Solid Surface Bits.....	194
Door & Window Bits.....	212
Sets	250
Bearings & Repair Parts	272

freud®

Shaper Cutters

Introduction.....	274
Fixed Wing Cutters.....	276
Performance Systems® Cutters.....	311
Replacement Knives.....	354



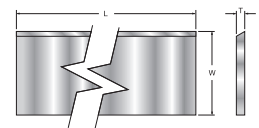
Drilling & Boring Bits

Introduction.....	360
Carbide Forstner Bits.....	362
Precision Shear Forstner Bits.....	363
Through Hole Boring Bits.....	366
Brad Point Boring Bits.....	367
Cylinder (Hinge) Boring Bits.....	369
Chucks & Adaptors.....	370



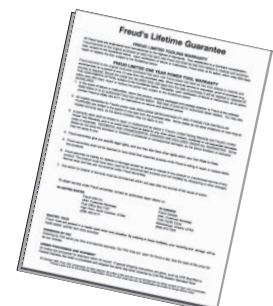
Replacement Knives & Cutters

High Speed Steel Planer & Jointer Knives.....	358
Replacement Carbide Knives for Router Bits.....	372



Index & Warranty Information

Index.....	373
Warranty.....	IBC



Manufacturing Innovation



A world leader in the production of woodworking tools, Freud employs the most innovative, technologically advanced manufacturing operations in the world. To ensure that the highest quality products meet the toughest design standards, Freud owns and operates manufacturing facilities. All of the facilities are ISO9001 Vision 2000 quality certified, an acknowledgement of top quality production processes.

In addition, Freud operates one of the most modern product development research centers for cutting tools. By overseeing the entire manufacturing process, from start to finish, Freud guarantees the highest quality, most advanced products in the industry.

Freud Key Manufacturing Facilities



**Production of standard
& custom cutterheads**



Production of router bits



Production of carbide



Production of saw blades



freud®



SAW BLADES

Freud's industrial saw blades are carefully crafted using the best materials, the most innovative designs, and the industry's most sophisticated manufacturing processes. Every blade is specifically designed for superior performance and maximum life. Select the best blade for your application from a wide variety of designs and sizes, all featuring Freud's unique coatings and TiCo™ Hi-Density Carbide.

*Freud saw blades –
Precisely The Best.*

TABLE OF CONTENTS

Ripping Blades

- 4 Thin Kerf Rip • LU87
- 5 Thick Stock Rip • LM71
- 6 Heavy Duty Rip • LM72
- 7 Glue Line Rip • LM74
- 8 Thin Kerf Glue Line Rip • LM75

General Purpose/Combination Blades

- 9 Premier Fusion General Purpose • P410
- 10 Thin Kerf Premier Fusion General Purpose • P410T
- 11 Thin Kerf General Purpose • LU86
- 12 Combination • LU84
- 13 Thin Kerf Combination • LU83
- 14 High Production General Purpose • LU71
- 15 General Purpose • LU72
- 16 Heavy Duty Multi-Purpose • LU82

Crosscutting Blades

- 17 Cabinet Maker's Crosscut • LU73
- 18 Thin Kerf Sliding Compound Miter Saw • LU91
- 19 Thin Kerf Fine Finish Crosscut • LU88
- 20 Ultimate Cut-Off • LU85
- 21 Thin Kerf Ultimate Cut-Off • LU74

Plywood Blades

- 22 Ultimate Plywood & Melamine • LU80
- 23 Thin Kerf Ultimate Plywood & Melamine • LU79

Stacked Chipboard Blades

- 24 Heavy-Duty Stacked Chipboard • LU81

Laminate & Melamine Blades

- 25 Thick Stock Laminate • LU92
- 26 Single-Sided Laminate/Melamine • LU98
- 27 Double-Sided Laminate/Melamine • LU97
- 28 Thin Kerf Double-Sided Laminate/Melamine • LU96

Specialty Blades

- 29 Industrial Plastics • LU94
- 30 Solid Surface • LU95
- 31-32 Industrial Countertop Surface • LCL7M

Aluminum Blades

- 33 Innovation
- 34 Medium Stock Aluminum Metal • LU77
- 35 Thin Stock Aluminum Metal • LU90
- 36 Thick Stock Aluminum Metal • LU89
- 37 Medium to Thick Aluminum & Non-Ferrous Blades with Mechanical Clamping LU5A Series
- 38-39 Thin to Medium Aluminum & Non-Ferrous Blades with Mechanical Clamping LU5B Series
- 40 Medium to Thick Aluminum & Non-Ferrous Blades with or without Mechanical Clamping • LU5C Series
- 41-42 Medium Aluminum & Non-Ferrous Blades with or without Mechanical Clamping • LU5D Series
- 43 Ultra-Thin Aluminum & Non-Ferrous Blades with Mechanical Clamping • LU5E Series

Panel Sizing Saw Blades

- 44 Industrial Glue Line Ripping
- 45 Pallet and Lumber Ripping
- 46 Industrial Crosscutting
- 47 Adjustable Scoring
- 48-49 Conical Scoring
- 50 Polycrystalline Diamond Conical Scoring
- 51 Polycrystalline Diamond Adjustable Conical Scoring
- 52-57 Panel Sizing
- 58-61 Sliding & Vertical Panel Sizing
- 62 Vertical Panel Sizing
- 63 Sliding Panel Sizing
- 64-71 Industrial Machine Reference

Dado Sets

- 72 Freud Innovation
- 73 Dial-A-Width Stacked Dado Set • SD600
- 74 Super Dado Set • SD500
- 75 Safety Dado Set • SD300
- 76 Pro Dado Set • SD200
- 77 Box Joint Cutter Set • SBox8
- 78-80 Chipper Guide

Saw Blades Parts & Accessories

- 81-82 Dado Replacement Parts
- 83 Calibration & Sanding Discs
- 84 Stabilizers & Stiffeners
- 85 Bushings

RIPPING BLADES



Thin Kerf Rip Blades

USE IN



Table Saws

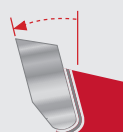
Portable
Table Saws

APPLICATION

Thin Kerf ripping blades for underpowered saws and radial arm saws



THIN KERF allows for faster feed rate and reduced waste



POSITIVE HOOK ANGLE for fast cutting and easy feeding in ripping applications

DEPTH OF CUT



MATERIALS

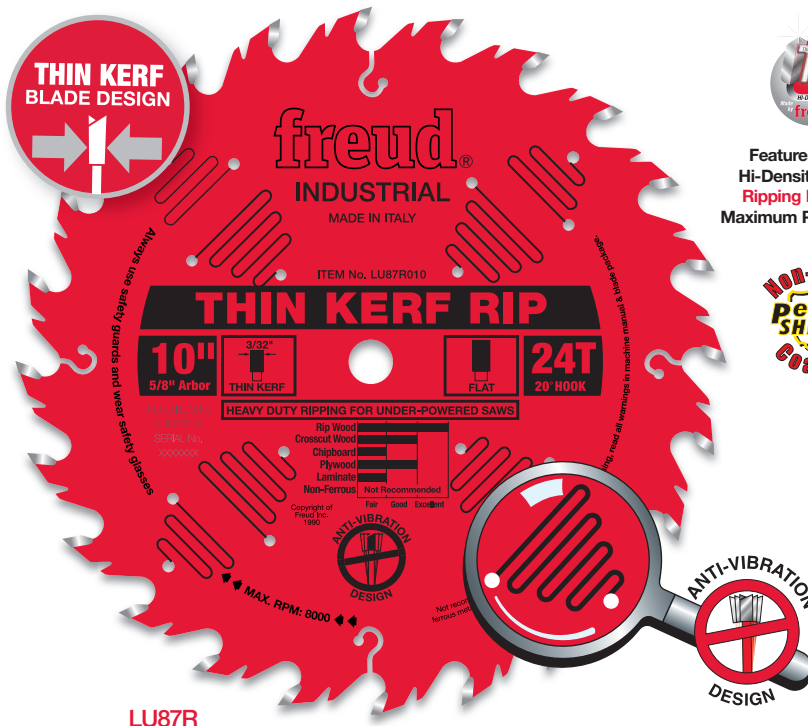


Hardwood Softwood Plywood



OSB Laminate

Maintain a proper feed rate. Feeding too slow causes burning of the material. Feeding too fast can be dangerous and produces a poor, dull cut.



LU87R



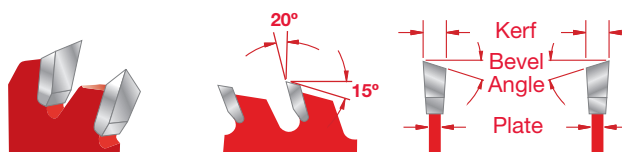
Features TiCo™
Hi-Density Carbide
Ripping Blend For
Maximum Performance



RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

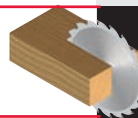
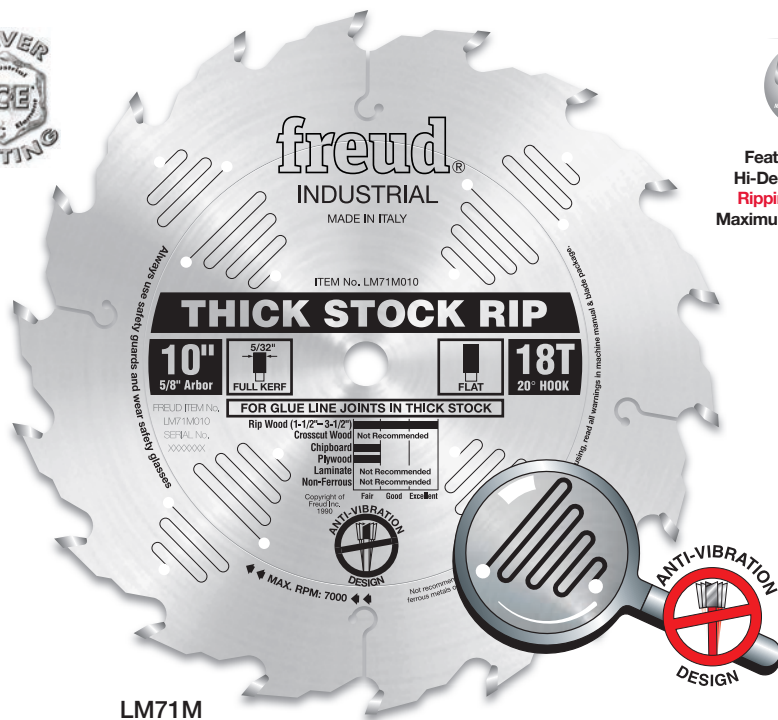
CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	BEVEL ANGLE	Perma-SHIELD®
160mm	.087	.063	20mm	14 ATB	10°	LU87R006M20*
8"	.087	.063	5/8"	22 ATB	15°	LU87R008
9"	.094	.071	5/8"	22 ATB	15°	LU87R009
10"	.094	.071	5/8"	24 ATB	15°	LU87R010
12"	.099	.071	5/8"	30 ATB	15°	LU87R012

*Ideal for Track Saws

Thick Stock Rip Blades

RIPPING
BLADES

Features TiCo™
Hi-Density Carbide
Ripping Blend For
Maximum Performance

USE IN



Table Saws

APPLICATION

High Speed Ripping
for Glue Line Joints in
Thick Stock



HEAVY-DUTY THICK PLATE
ensures a stable,
flat blade for long
cutting life in
extreme ripping
conditions



LARGE GULLETS
allow for fast
ripping and easy
chip removal

DEPTH OF CUT



MATERIALS



Hardwood Softwood

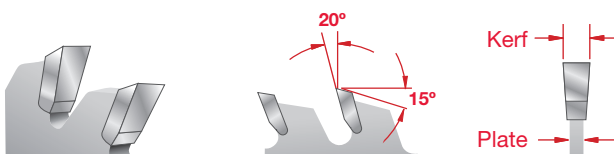
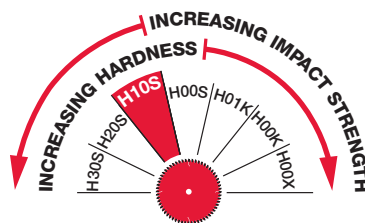


Plywood OSB

RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
10"	.153	.118	5/8"	18 FLAT	LM71M010
12"	.165	.118	1"	20 FLAT	LM71M012
14"	.165	.118	1"	24 FLAT	LM71M014
16"	.177	.118	1"	28 FLAT	LM71M016

i When ripping wood, 3 to 5
teeth should be working in
the wood at one time

RIPPING BLADES

Heavy Duty Rip Blades

USE IN



Table Saws

APPLICATION

Smooth, Fast Heavy-Duty Ripping for Glue Line Joints in Thick Stock



EXTRA LARGE, FLAT TOOTH DESIGN leaves a smooth finish without the need for sanding or jointing

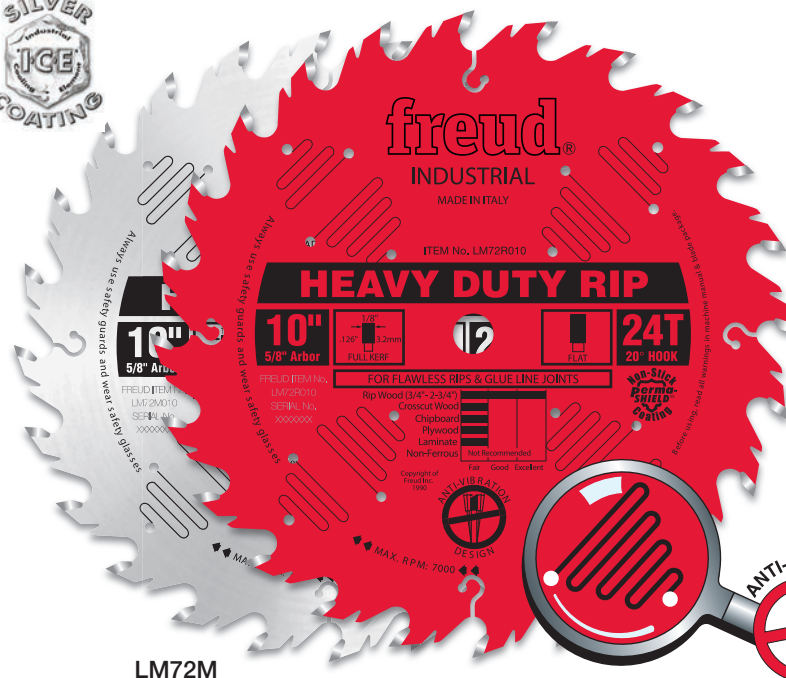


LASER-CUT ANTI-VIBRATION SLOTS drastically reduce vibration and sideways movement in the cut extending blade life, and giving a crisp, swirl-free flawless finish

DEPTH OF CUT



MATERIALS



LM72M

LM72R



Features TiCo™ Hi-Density Carbide Ripping Blend For Maximum Performance



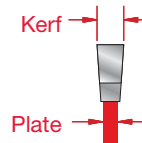
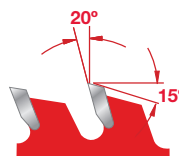
No Stabilizers Needed



RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

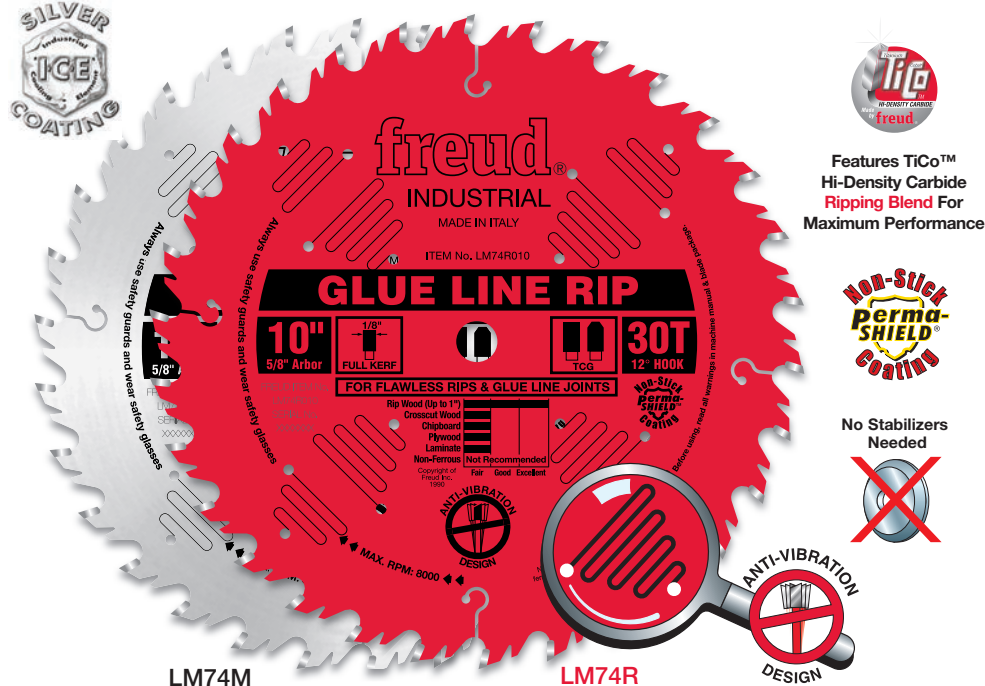
CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®	SILVER ICE™
8"	.126	.087	5/8"	24 FLAT	LM72R008	LM72M008
10"	.126	.087	5/8"	24 FLAT	LM72R010	LM72M010
12"	.169	.118	1"	30 FLAT	LM72R012	LM72M012
14"	.169	.118	1"	30 FLAT	LM72R014	LM72M014
16"	.177	.118	1"	36 FLAT	LM72R016	LM72M016

i When ripping wood, 3 to 5 teeth should be working in the wood at one time.

Glue Line Ripping Blades

RIPPING
BLADES

Features TiCo™
Hi-Density Carbide
Ripping Blend For
Maximum Performance



No Stabilizers
Needed



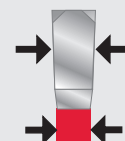
USE IN



Table Saws

APPLICATION

Heavy duty glue line ripping blades for extremely smooth, true surfaces for gluing and finish work. There is no need for sanding or jointing after the cut.

HEAVY-DUTY
THICK KERF
AND PLATE

ensure a stable,
flat blade for long
cutting life

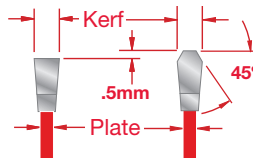
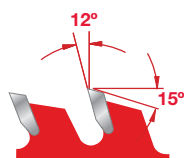
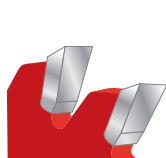
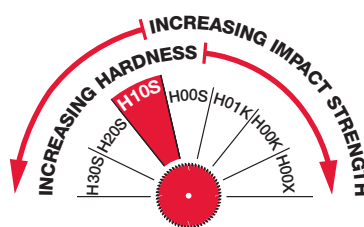
LASER-CUT
ANTI-VIBRATION
SLOTS

drastically
reduce vibration and
sideways movement
in the cut extending
blade life, and giving
a crisp, swirl-free
flawless finish

RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®	SILVER ICE™
10"	.118	.098	5/8"	30 TCG	LM74R010	LM74M010
12"	.118	.098	1"	40 TCG	LM74R012	—
14"	.138	.118	1"	44 TCG	LM74R014	—

DEPTH OF CUT



MATERIALS



For best results, set your saw so that one half of a carbide tip protrudes beyond the material to be cut

RIPPING BLADES



Thin Kerf Glue Line Ripping Blades

USE IN



Table Saws

Portable
Table Saws

APPLICATION

Produces extremely smooth, true surfaces for gluing and finish work. There is no need for sanding or jointing after the cut.



THIN KERF requires less power and allows for faster feed rate

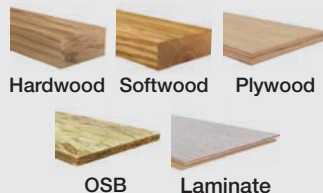


LASER-CUT ANTI-VIBRATION SLOTS drastically reduce vibration and sideways movement in the cut extending blade life, and giving a crisp, swirl-free flawless finish

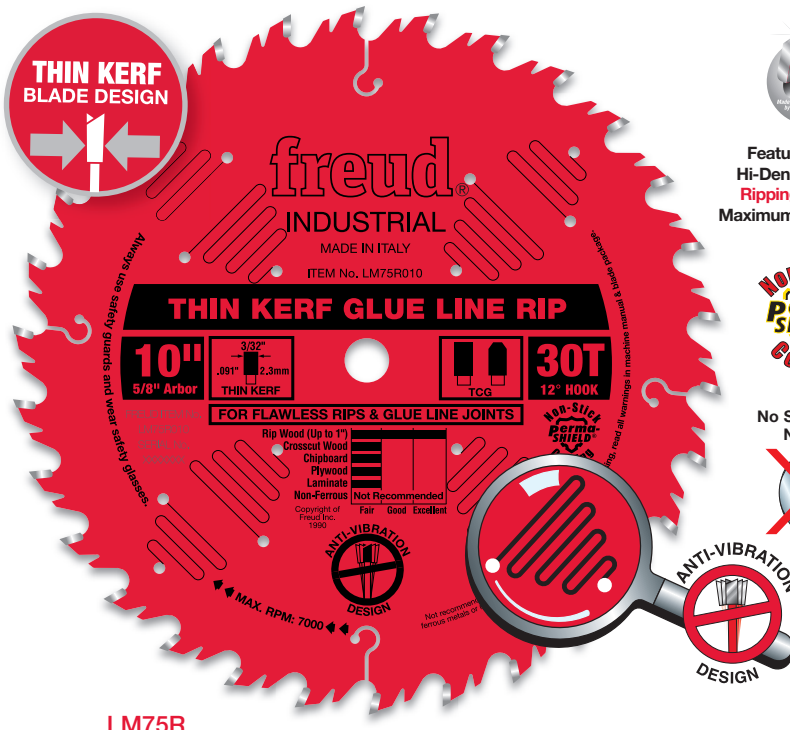
DEPTH OF CUT



MATERIALS



i When ripping wood, 3 to 5 teeth should be working in the wood at one time



LM75R



Features TiCo™
Hi-Density Carbide
Ripping Blend For
Maximum Performance



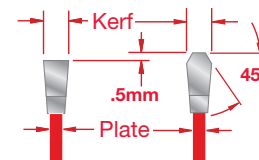
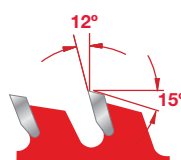
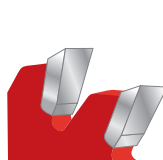
No Stabilizers
Needed



RECOMMENDED USE

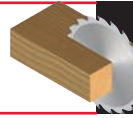
	FAIR	GOOD	EXCELLENT
Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE

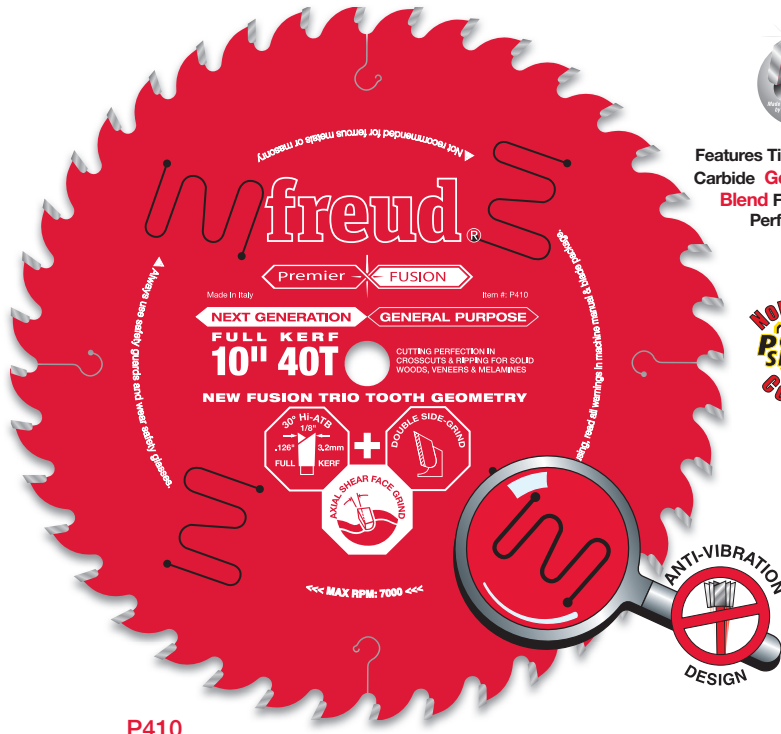


DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
8"	.091	.071	5/8"	24 TCG	LM75R008
10"	.091	.071	5/8"	30 TCG	LM75R010
12"	.091	.071	5/8"	40 TCG	LM75R012

Premier Fusion General Purpose Blade



GENERAL PURPOSE/ COMBINATION



P410

Features TiCo™ Hi-Density Carbide **General Purpose Blend** For Maximum Performance



USE IN



Table Saws

APPLICATION

Ultimate general purpose saw blade. One blade that does it all. From ripping to crosscutting, a Premier Fusion blade will tackle any project.

FUSION TRIO TOOTH GEOMETRY



AXIAL SHEAR FACE GRIND



30° Hi-ATB

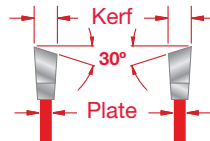
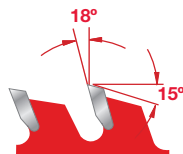
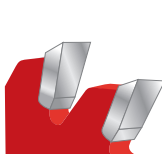


DOUBLE SIDE GRIND

RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
8"	.126	.098	5/8"	34 Hi-ATB	P408
10"	.126	.098	5/8"	40 Hi-ATB	P410
12"	.126	.098	1"	48 Hi-ATB	P412
14"	.126	.098	1"	54 Hi-ATB	P414

DEPTH OF CUT



3 1/2" MAX.

MATERIALS



Hardwood Softwood



Plywood Laminate

i When cutting on a table saw, put the finish side of your work piece facing up. When cutting with a hand-held saw, put the finish side down. This will reduce splintering.

GENERAL PURPOSE/ COMBINATION



Thin Kerf Premier Fusion General Purpose Blade

USE IN



Table Saws

Miter Saws

Portable
Table Saws

APPLICATION

Ultimate general purpose saw blade. One blade that does it all. From ripping to crosscutting, a Premier Fusion blade will tackle any project.

FUSION TRIO TOOTH GEOMETRY

AXIAL SHEAR
FACE GRIND

30° Hi-ATB

DOUBLE
SIDE GRIND

DEPTH OF CUT



RIPPING



CROSSCUTTING

MATERIALS



Hardwood

Softwood

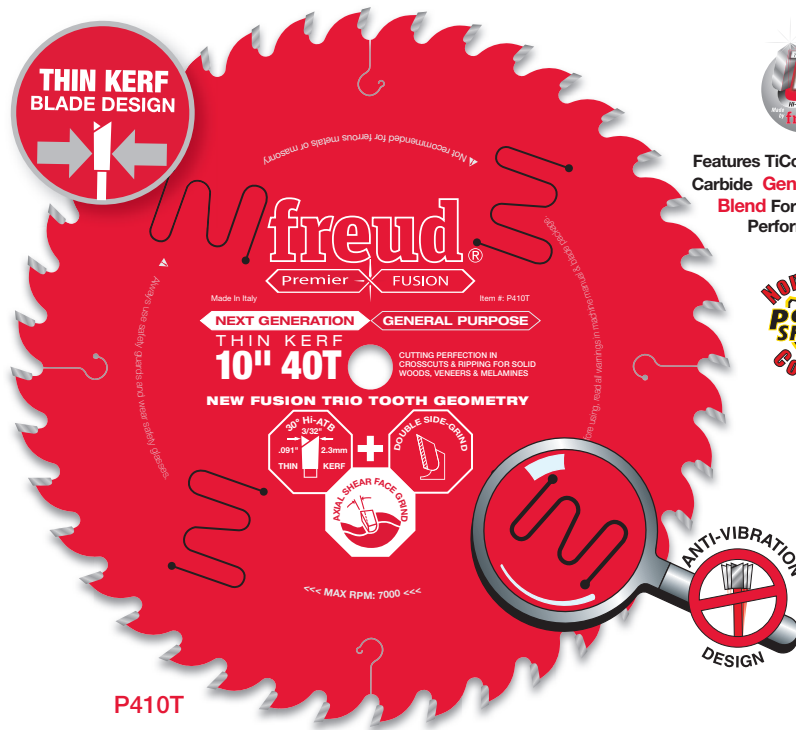
Melamine

Veneered
Plywood

Plywood

Laminate

If you experience burning on one side of the cut you should check and adjust the saw's alignment. Consult your saw owner's manual for alignment instructions.



P410T



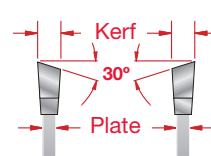
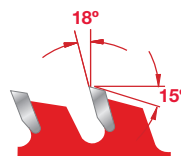
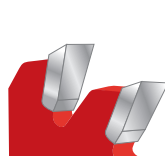
Features TiCo™ Hi-Density Carbide **General Purpose** Blend For Maximum Performance



RECOMMENDED USE

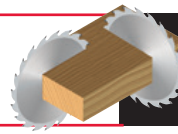
Rips Wood			
Crosscuts Wood			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE

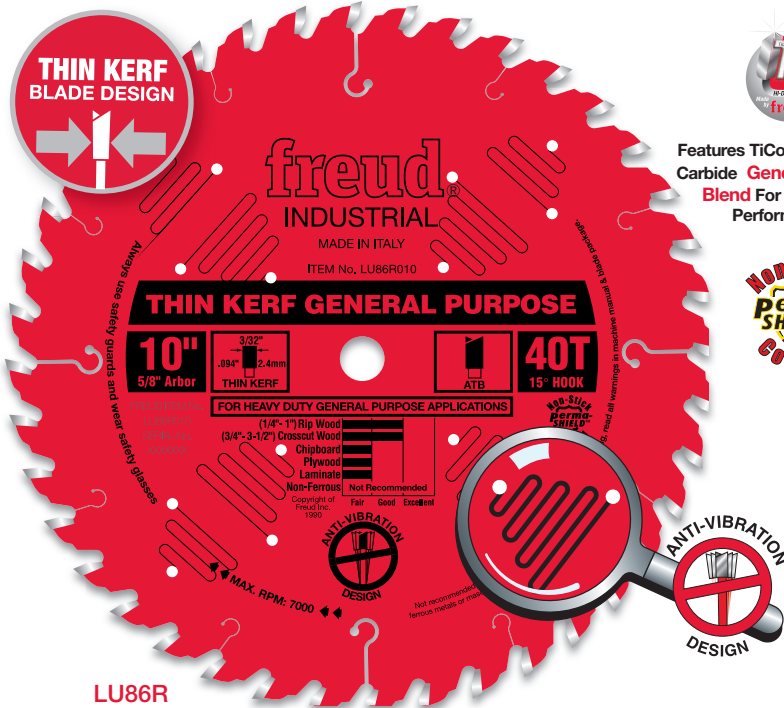


DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
10"	.091	.071	5/8"	40 Hi-ATB	P410T

Thin Kerf General Purpose Blades



GENERAL PURPOSE/ COMBINATION



LU86R

Features TiCo™ Hi-Density Carbide General Purpose Blend For Maximum Performance



USE IN



APPLICATION

Heavy-duty thin kerf blade for general purpose applications

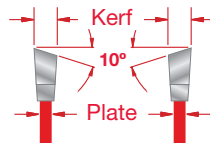
POSITIVE HOOK ANGLE for fast cutting and easy feeding in production applications

THIN KERF requires less power and allows for faster feed rate

RECOMMENDED USE

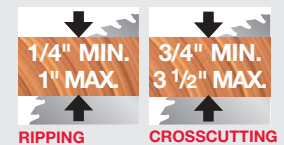
Rips Wood 1/4"-1"			
Crosscuts Wood 3/4"-3-1/2"			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
160mm	.096	.063	20mm	28 ATB	LU86R006M20*
8"	.087	.063	5/8"	34 ATB	LU86R008
10"	.094	.071	5/8"	40 ATB	LU86R010
12"	.094	.071	1"	48 ATB	LU86R012
14"	.106	.079	1"	54 ATB	LU86R014

DEPTH OF CUT



MATERIALS



If you experience burning on one side of the cut you should check and adjust the saw's alignment. Consult your saw owner's manual for alignment instructions.

*Ideal for Track Saws

GENERAL PURPOSE/ COMBINATION



Combination Blades

USE IN



Table Saws

Miter Saws

Radial Arm
Table Saws

APPLICATION

Multi purpose saw blade.
It can rip a piece of 4/4 oak
and also crosscut a sheet
of 3/4" plywood.



LARGE GULLET

in front of flat top
rakers allow for
fast ripping and
easy chip removal



LASER-CUT ANTI-VIBRATION SLOTS

drastically
reduce vibration
and sideways
movement in the
cut extending blade
life, and giving a
crisp, swirl-free
flawless finish

DEPTH OF CUT



RIPPING



CROSSCUTTING

MATERIALS

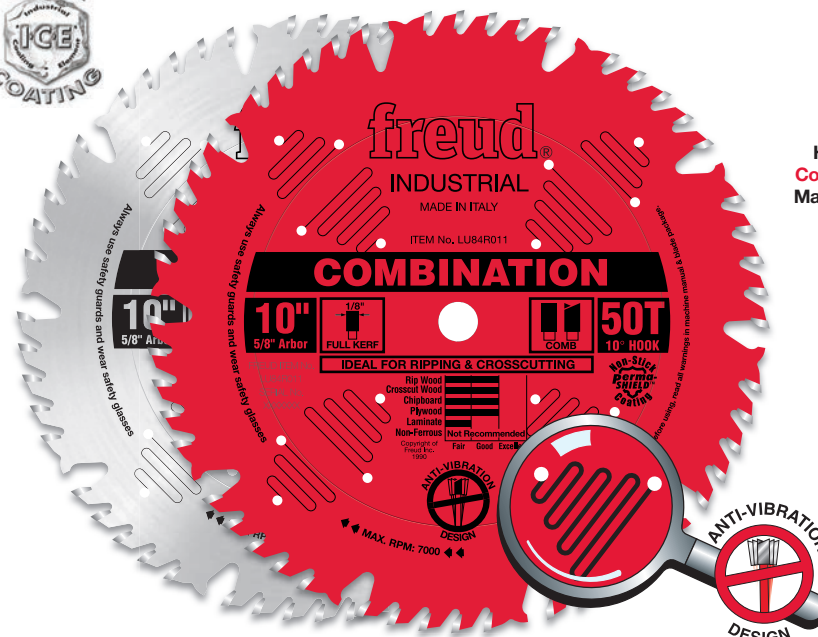


Hardwood

Softwood

Plywood

Laminate



LU84M

LU84R



Features TiCo™
Hi-Density Carbide
Combination Blend For
Maximum Performance



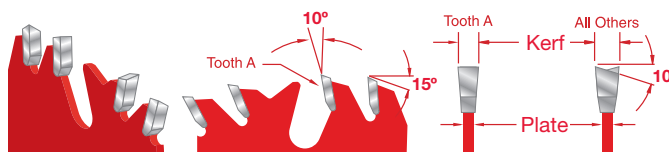
No Stabilizers
Needed



RECOMMENDED USE

	FAIR	GOOD	EXCELLENT
Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE

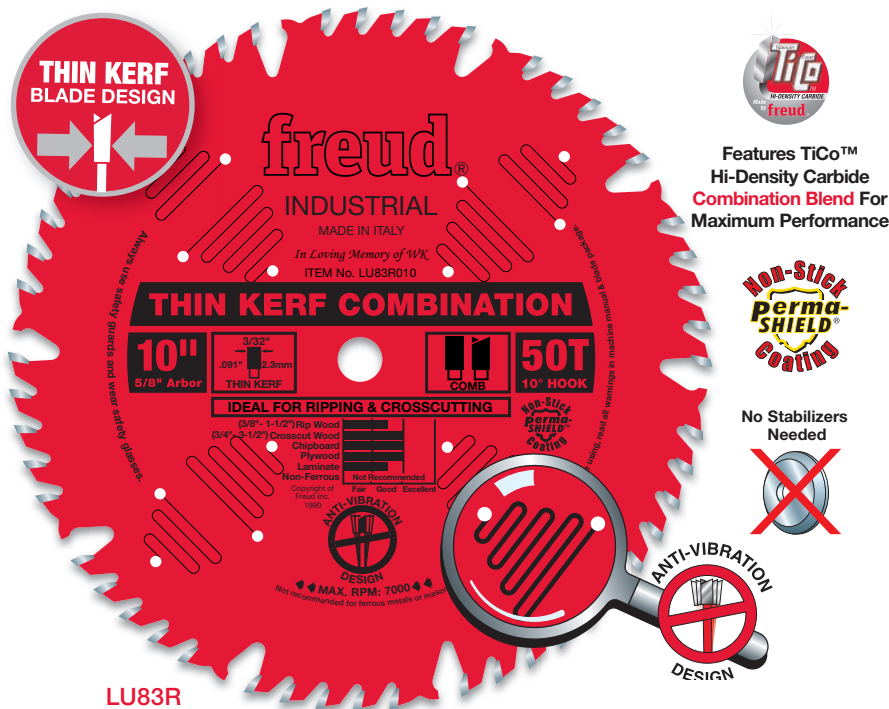


DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®	SILVER ICE™
8"	.126	.087	5/8"	40 COMB	LU84R008	LU84M008
9"	.126	.087	5/8"	40 COMB	LU84R009	LU84M009
10"	.126	.087	5/8"	50 COMB	LU84R011	LU84M011
12"	.126	.087	1"	60 COMB	LU84R012	LU84M012
14"	.157	.118	1"	70 COMB	LU84R014	LU84M014
16"	.157	.118	1"	80 COMB	LU84R016	LU84M016

Thin Kerf Combination Blades



GENERAL PURPOSE/ COMBINATION

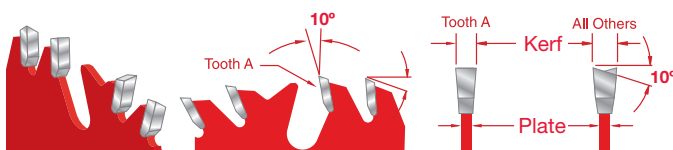


LU83R

RECOMMENDED USE

	FAIR	GOOD	EXCELLENT
Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
8"	.083	.063	5/8"	40 COMB	LU83R008
10"	.091	.071	5/8"	50 COMB	LU83R010
12"	.091	.071	1"	60 COMB	LU83R012
15"	.098	.079	1"	80 COMB	LU83R015

USE IN



APPLICATION

Heavy-duty thin kerf blade for general purpose application



THIN KERF requires less power and allows for faster feed rate



LASER-CUT ANTI-VIBRATION SLOTS drastically reduce vibration and sideways movement in the cut extending blade life, and giving a crisp, swirl-free flawless finish

DEPTH OF CUT



MATERIALS



Maintain a proper feed rate. Feeding too slow causes burning of the material. Feeding too fast can be dangerous and produces a poor dull cut.

GENERAL PURPOSE/ COMBINATION



High-Production General Purpose Blades

USE IN



Table Saws

Radial Arm
Table Saws

APPLICATION

For fast, thick stock cutting. Ideal for a production environment. With its low number of teeth and steep hook angle, this blade can operate at high feed rates. These features also make it the blade of choice when crosscutting extremely thick stock.



**POSITIVE HOOK
ANGLE**
for fast cutting
and easy feeding
in production
applications



**HEAVY-DUTY
THICK PLATE**
ensures a stable,
flat blade for long
cutting life in
extreme ripping
conditions

DEPTH OF CUT



RIPPING

CROSSCUTTING

MATERIALS

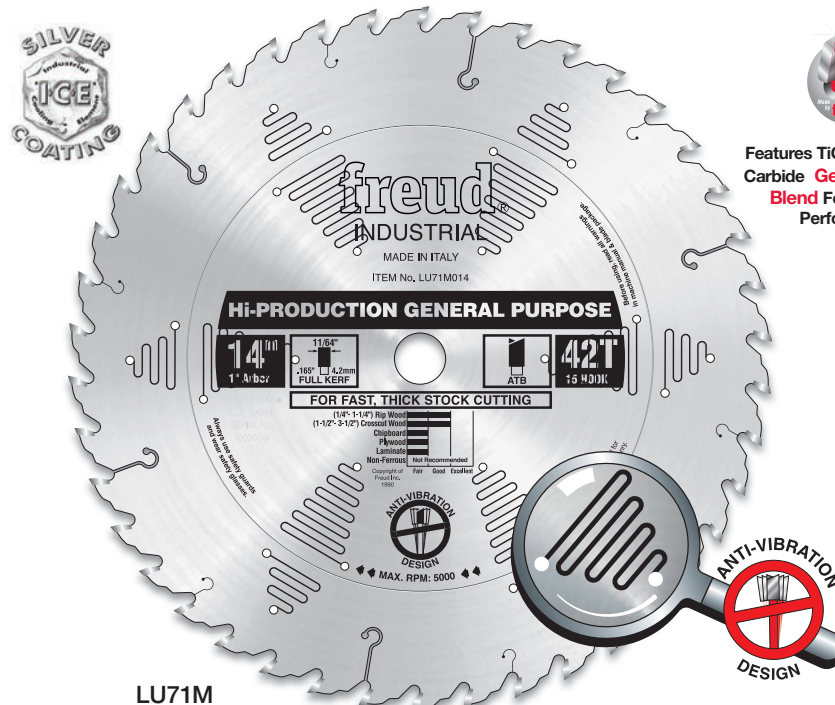


Hardwood Softwood



Plywood Laminate

Maintain a proper feed rate. Feeding too slow causes burning of the material. Feeding too fast can be dangerous and produces a poor dull cut.



LU71M

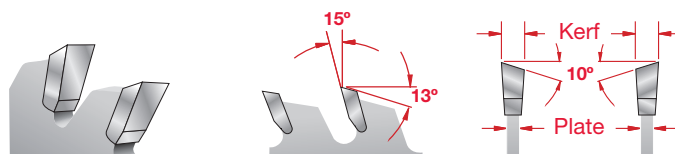


Features TiCo™ Hi-Density
Carbide **General Purpose**
Blend For Maximum
Performance

RECOMMENDED USE

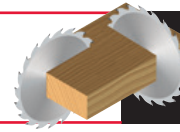
Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE

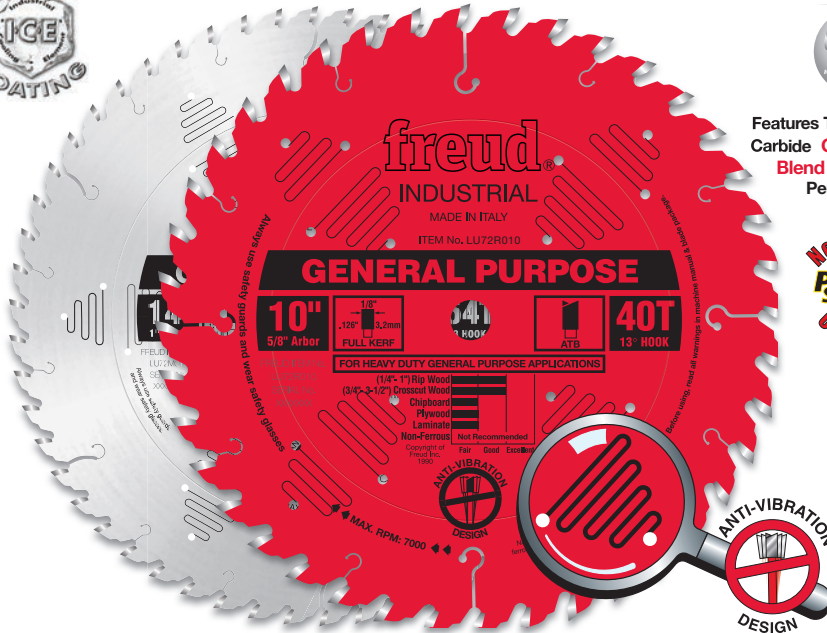


DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
14"	.165	.118	1"	42 ATB	LU71M014
16"	.177	.118	1"	48 ATB	LU71M016

General Purpose Blades



GENERAL PURPOSE/ COMBINATION



LU72M

LU72R

Features TiCo™ Hi-Density Carbide **General Purpose Blend** For Maximum Performance



USE IN



Table Saws

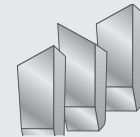
Miter Saws



Radial Arm Table Saws

APPLICATION

Heavy-Duty General Purpose Applications. Ideal for cutting thick hardwoods, softwoods and thinner stock materials.



ALTERNATE TOP BEVEL (HI-ATB) TOOTH DESIGN gives quality crosscuts

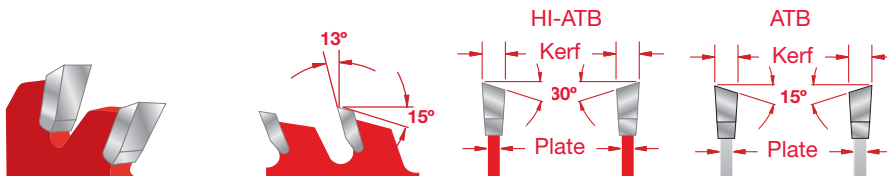


POSITIVE 13° HOOK ANGLE for fast cutting and easy feeding in production applications

RECOMMENDED USE

Rips Wood 1/2"-1"			
Crosscuts Wood 1/2"-1"			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®	SILVER ICE™
10"	.126	.087	5/8"	40 Hi-ATB	LU72R010	—
12"	.126	.087	1"	48 Hi-ATB	LU72R012	—
14"	.138"	.098"	1"	54 ATB	—	LU72M014
16"	.150"	.110"	1"	60 ATB	—	LU72M016
18"	.157"	.118"	1"	66 ATB	—	LU72M018
20"	.165"	.126"	1"	72 ATB	—	LU72M020

DEPTH OF CUT



MATERIALS



Hardwood Softwood



Plywood Laminate

i For best results, set your saw so that one half of a carbide tip protrudes beyond the material to be cut

GENERAL PURPOSE/ COMBINATION



Heavy Duty General Purpose Blades

USE IN



Table Saws

Miter Saws

Radial Arm
Table Saws

APPLICATION

For long life in stacked chipboard and man-made materials. It will also cut hardwood and softwood up to 2-3/4" thick.



FREUD-MADE TICO™ CARBIDE is durable and chemical-resistant for long life and razor-sharp cuts



LASER-CUT ANTI-VIBRATION SLOTS drastically reduce vibration and sideways movement in the cut extending blade life, and giving a crisp, swirl-free flawless finish

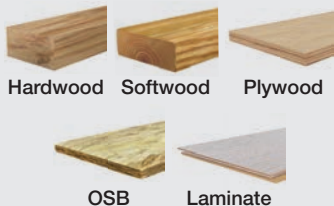
DEPTH OF CUT



RIPPING

CROSSCUTTING

MATERIALS

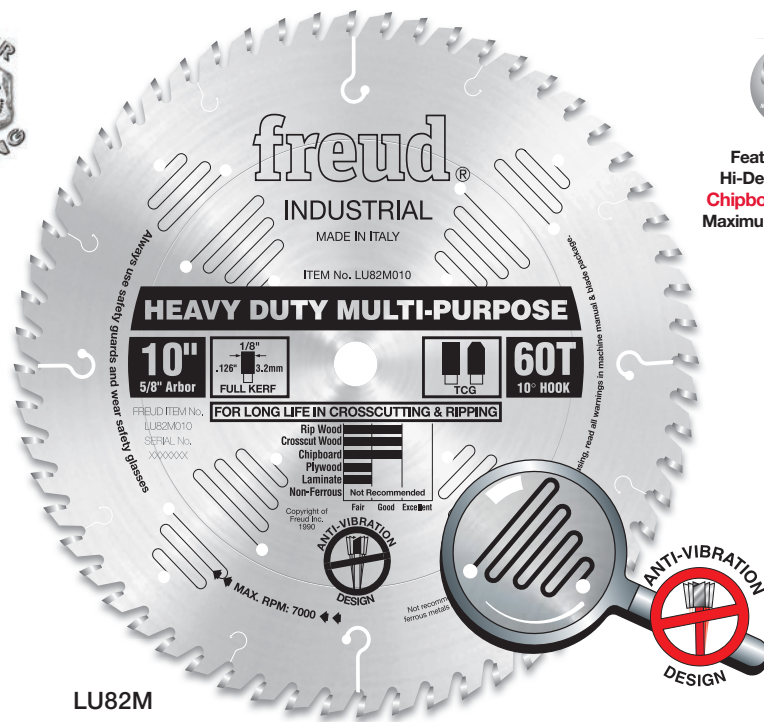


Hardwood Softwood Plywood

OSB

Laminate

i Never use oven cleaner or other caustic substances to clean Freud saw blades



LU82M

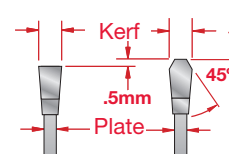
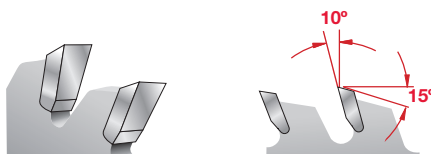


Features TiCo™
Hi-Density Carbide
Chipboard Blend For
Maximum Performance

RECOMMENDED USE

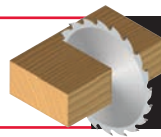
	FAIR	GOOD	EXCELLENT
Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



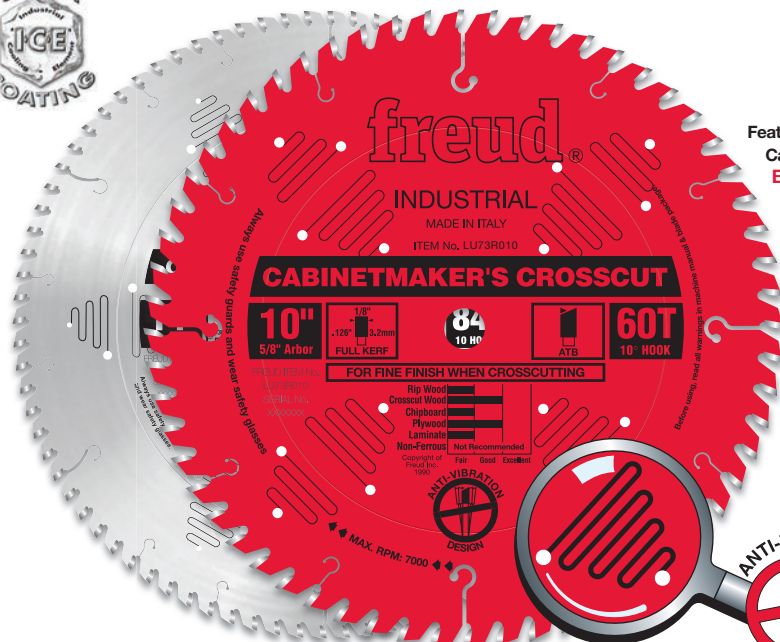
DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
8"	.126	.087	5/8"	48 TCG	LU82M008
9"	.126	.087	5/8"	54 TCG	LU82M009
10"	.126	.087	5/8"	60 TCG	LU82M010
12"	.126	.087	1"	72 TCG	LU82M012
14"	.169	.118	1"	84 TCG	LU82M014
16"	.177	.118	1"	96 TCG	LU82M016

Cabinet Maker's Crosscut Blades



CROSSCUTTING BLADE

SAW BLADES



LU73M

LU73R



Features TiCo™ Hi-Density Carbide **Crosscutting Blend** For Maximum Performance



USE IN



Table Saws

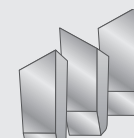
Miter Saws



Radial Arm Table Saws

APPLICATION

Includes a 38 degree Hi-ATB (Alternate Top Bevel) tooth grind that delivers excellent crosscuts in double-sided veneer plywood and double-sided melamine.



ALTERNATE TOP BEVEL (HI-ATB) TOOTH DESIGN

gives quality crosscuts



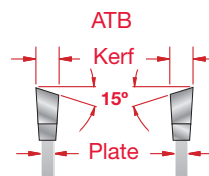
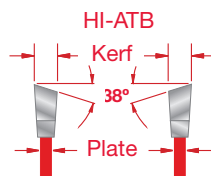
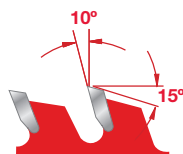
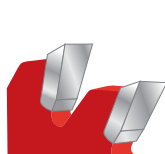
PRECISION TENSIONING

with computer-controlled equipment keeps the blade flat and true while maximizing blade life and performance

RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DEPTH OF CUT



MATERIALS



Hardwood Softwood

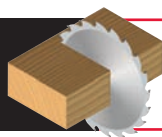


Plywood Laminate

DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®	SILVER ICE™
10"	.126	.087	5/8"	60 Hi-ATB	LU73R010	—
12"	.126	.087	1"	72 Hi-ATB	LU73R012	—
14"	.138"	.098"	1"	84 ATB	—	LU73M014
16"	.150"	.110"	1"	96 ATB	—	LU73M016
18"	.157"	.118"	1"	108 ATB	—	LU73M018

i When cutting on a table saw, put the finish side of your work piece facing up. When cutting with a radial arm saw or hand-held saw, put the finish side down. This will reduce splintering.

CROSSCUTTING BLADE



Thin Kerf Sliding Compound Miter Saw Blades

USE IN

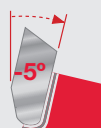


Miter Saws

Radial Arm
Table SawsSliding Compound
Miter Saws

APPLICATION

Provides a superior finish cut with sliding compound miter saws and radial arm saws



**NEGATIVE
HOOK ANGLE**
minimizes
climbing for
better control



THIN KERF
requires less
power and
allows for faster
feed rate

DEPTH OF CUT



MATERIALS

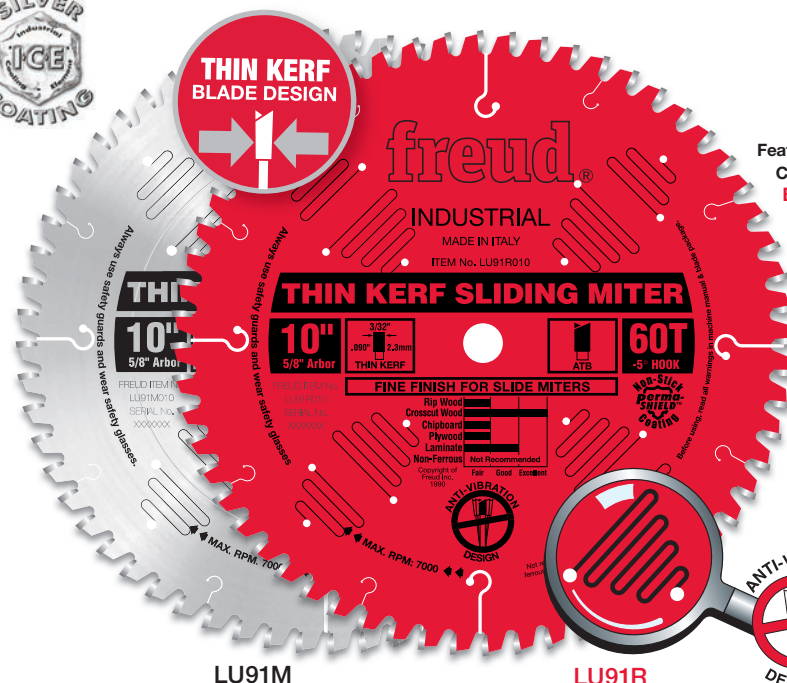


Hardwood Softwood

Plywood Laminate



**THIN KERF
BLADE DESIGN**



LU91M

LU91R



Features TiCo™ Hi-Density
Carbide **Crosscutting
Blend** For Maximum
Performance



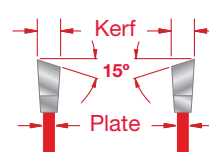
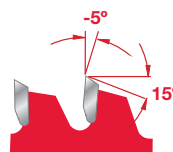
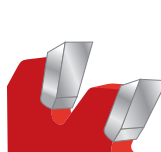
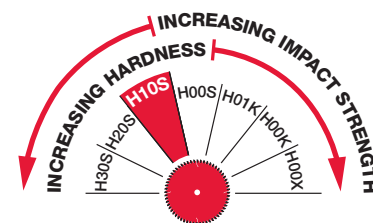
No Stabilizers
Needed



RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

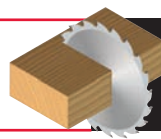
CARBIDE GRADE



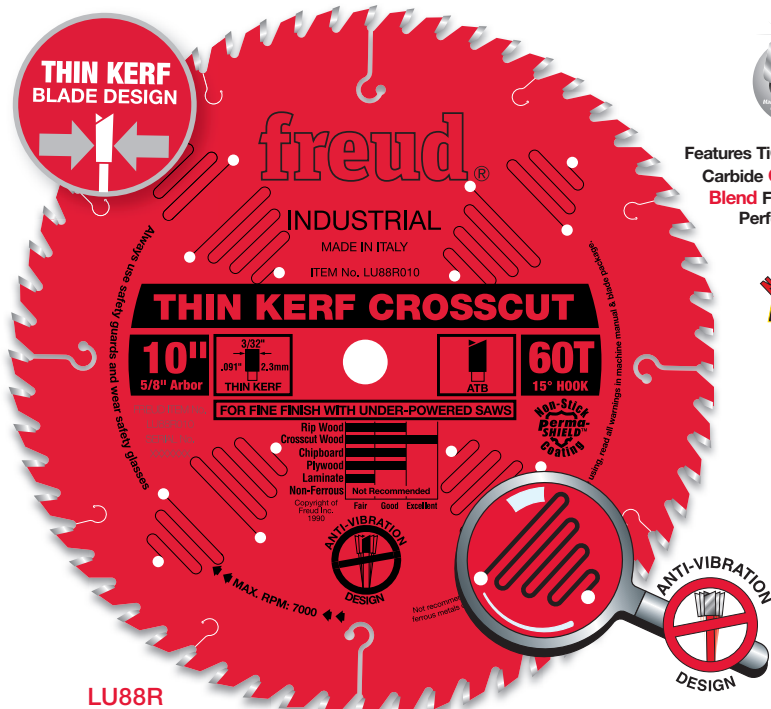
DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®	SILVER ICE™
8-1/2"	.090	.071	5/8"	48 ATB	LU91R008	LU91M008
10"	.090	.071	5/8"	60 ATB	LU91R010	LU91M010
12"	.090	.071	1"	72 ATB	LU91R012	LU91M012

i For safety and best results
when using a miter saw,
securely clamp the material
before cutting

Thin Kerf Fine Finish Crosscut Blades



CROSSCUTTING BLADE



LU88R

Features TiCo™ Hi-Density Carbide Crosscutting Blend For Maximum Performance

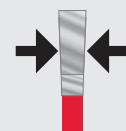


USE IN

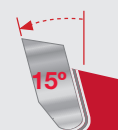


APPLICATION

Crosscutting blades for fine finish with underpowered saws. Produces smooth crosscuts in hardwoods, softwoods and moldings.



THIN KERF reduces waste and feeds easier



POSITIVE HOOK ANGLE produce a smoother cut and allow for a faster feed rate

DEPTH OF CUT



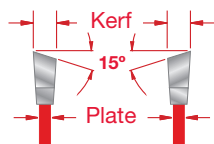
MATERIALS



RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

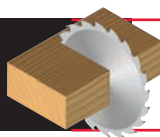
CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
8"	.083	.063	5/8"	48 ATB	LU88R008
9"	.090	.071	5/8"	54 ATB	LU88R009
10"	.090	.071	5/8"	60 ATB	LU88R010
12"	.094	.071	1"	80 ATB	LU88R012

i If you experience burning on one side of the cut you should check and adjust the saw's alignment. Consult your saw's owner's manual for alignment instructions.

CROSSCUTTING BLADE



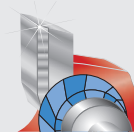
Ultimate Cut-Off Blades

USE IN



APPLICATION

Polish material as it cuts, giving it glass-smooth finishes when crosscutting hard and soft woods. No sanding is required.



UNIQUE SIDE GRIND polishes the material to produce a superior finish



LASER-CUT ANTI-VIBRATION SLOTS drastically reduce vibration and sideways movement in the cut extending blade life, and giving a crisp, swirl-free flawless finish

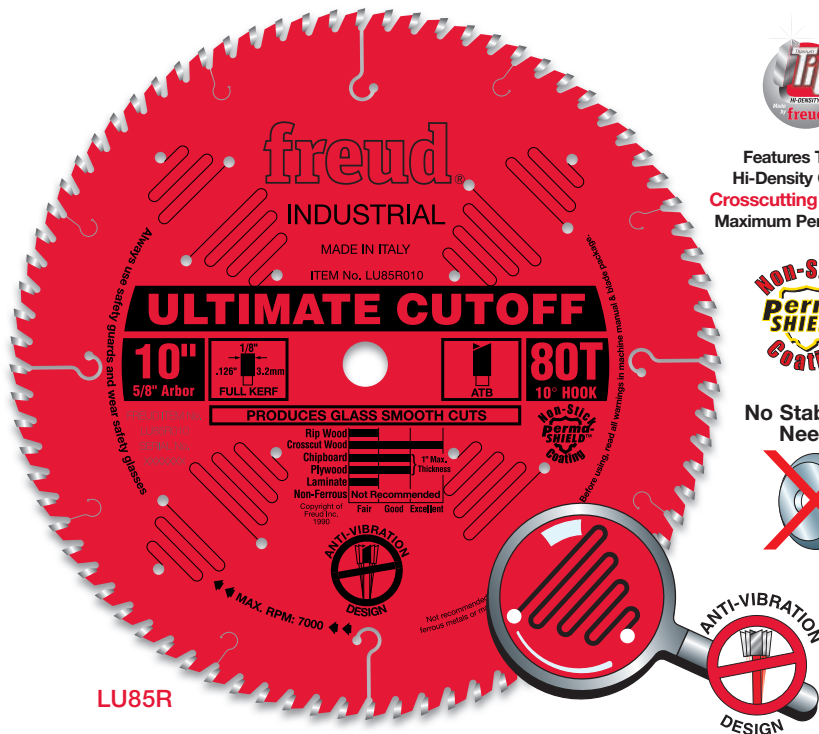
DEPTH OF CUT



MATERIALS



i When crosscutting, 5 to 7 teeth should be working in the wood at one time



Features TiCo™ Hi-Density Carbide Crosscutting Blend For Maximum Performance



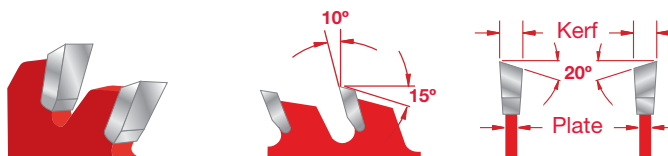
No Stabilizers Needed



RECOMMENDED USE

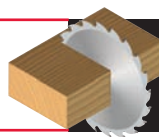
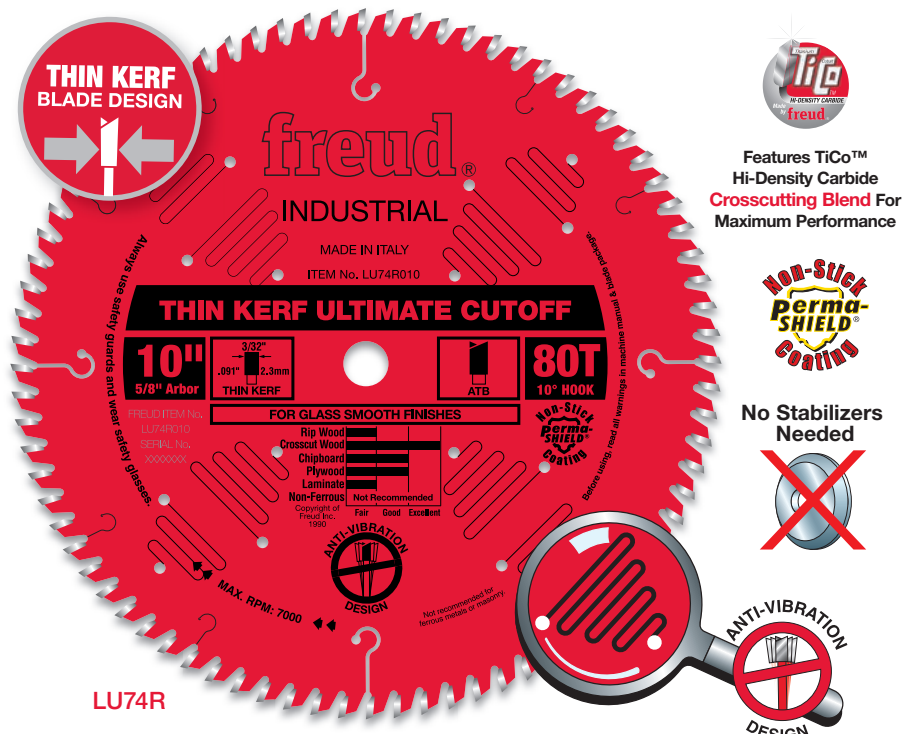
Rips Wood			
Crosscuts Wood			
Chip Board	1" Max Thickness		
Plywood	1" Max Thickness		
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
8"	.116	.098	5/8"	64 ATB	LU85R008
9"	.116	.098	5/8"	72 ATB	LU85R009
10"	.116	.098	5/8"	80 ATB	LU85R010
12"	.116	.098	1"	96 ATB	LU85R012
14"	.136	.118	1"	108 ATB	LU85R014
15"	.136	.118	1"	108 ATB	LU85R015

Thin Kerf Ultimate Cut-Off Blades

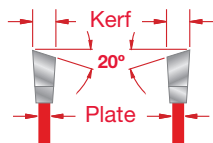
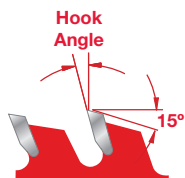
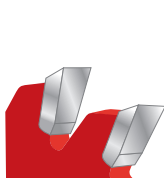
CROSSCUTTING
BLADE

LU74R

RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



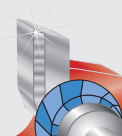
DIA.	KERF	PLATE	ARBOR	HOOK ANGLE	TEETH	Perma-SHIELD®
8"	.087	.063	5/8"	10°	64 ATB	LU74R008
10"	.091	.071	5/8"	10°	80 ATB	LU74R010
12"	.091	.071	1"	10°	96 ATB	LU74R012
14"	.118	.087	1"	10°	108 ATB	LU74R014

USE IN

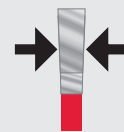


APPLICATION

Ultimate cut-off blades for glass-smooth finishes with underpowered saws



UNIQUE SIDE GRIND polishes the material to produce a superior finish



THIN KERF reduces waste and feeds easier

DEPTH OF CUT



MATERIALS



Maintain a proper feed rate. Feeding too slow causes burning of the material. Feeding too fast can be dangerous and produces a poor dull cut.

PLYWOOD BLADES



Ultimate Plywood & Melamine Blades

USE IN

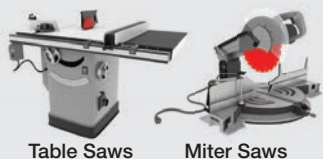


Table Saws

Miter Saws

Radial Arm
Table Saws

APPLICATION

Flawless, virtually chip-free edges in veneered plywoods, fine moldings, melamine, laminates, and crosscuts in solid woods. It eliminates the need for stabilizer or a scoring blade.



HIGH ALTERNATE TOP BEVEL (HI-ATB) Tooth Design produces splinter-free cuts



LASER-CUT ANTI-VIBRATION SLOTS drastically reduce vibration and sideways movement in the cut extending blade life, and giving a crisp, swirl-free flawless finish

DEPTH OF CUT



MATERIALS



Hardwood Softwood

Particle Board

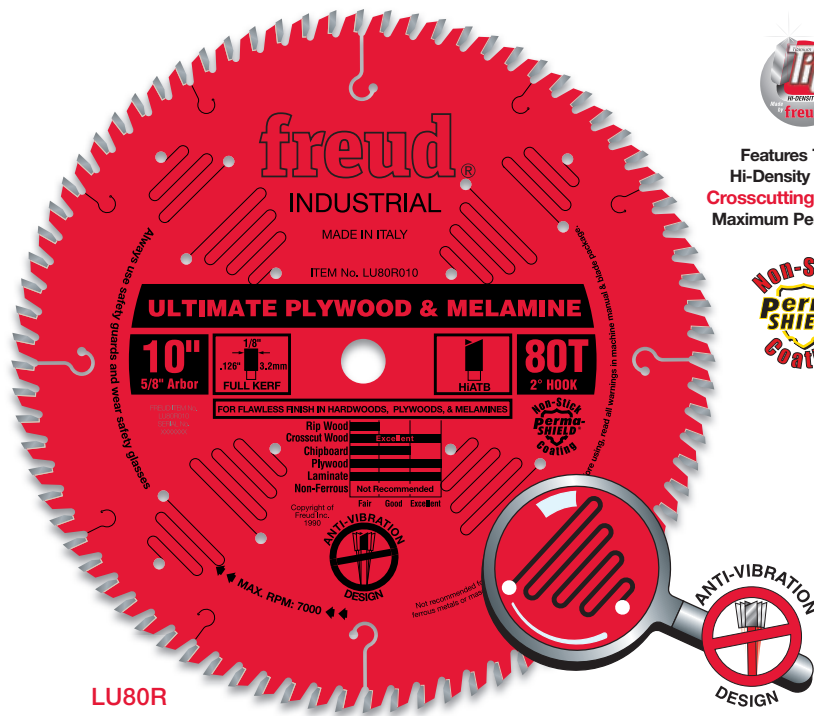


Veneered Plywood

Plywood

Laminate

When you need a smooth finish on both sides of plywood or laminate use a zero clearance insert or blade with Hi-ATB teeth



LU80R



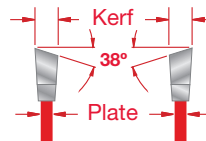
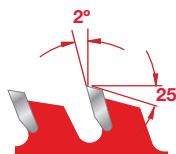
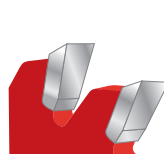
Features TiCo™
Hi-Density Carbide
Crosscutting Blend For
Maximum Performance



RECOMMENDED USE

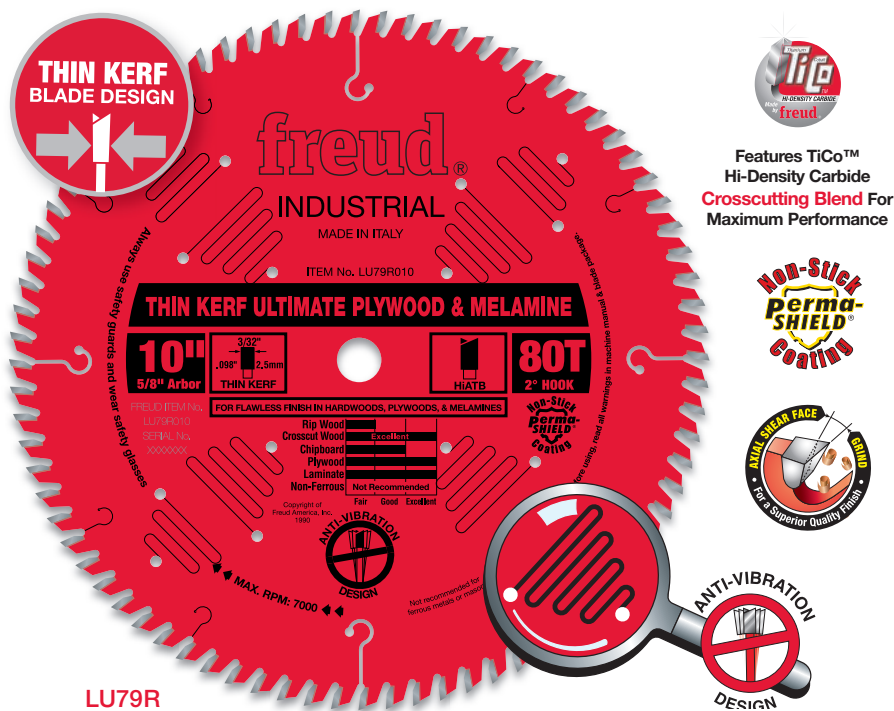
Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
10"	.126	.087	5/8"	80 Hi-ATB	LU80R010
12"	.126	.087	1"	96 Hi-ATB	LU80R012

Thin Kerf Ultimate Plywood & Melamine Blades



LU79R



Features TiCo™
Hi-Density Carbide
Crosscutting Blend For
Maximum Performance



USE IN



APPLICATION

Flawless, chip-free edges
in veneered plywoods, fine
moldings, melamine, laminates,
and crosscuts in solid woods



HIGH ALTERNATE TOP BEVEL (HI-ATB) Tooth Design produces splinter-free cuts

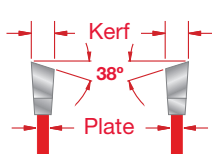
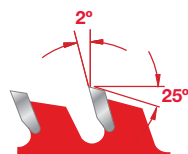
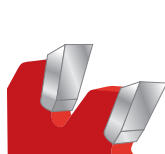


LASER-CUT ANTI-VIBRATION SLOTS drastically reduce vibration and sideways movement in the cut extending blade life, and giving a crisp, swirl-free flawless finish

RECOMMENDED USE

	FAIR	GOOD	EXCELLENT
Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
160mm	.087"	.063"	20mm	48 Hi-ATB	LU79R006M20*
7-1/4"	.079"	.063"	5/8"	60 Hi-ATB	LU79R007
10"	.098"	.071"	5/8"	80 Hi-ATB	LU79R010
12"	.098"	.071"	1"	96 Hi-ATB	LU79R012

*Ideal for Track Saws

DEPTH OF CUT

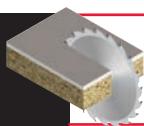


MATERIALS



i When you need a smooth finish on both sides of plywood or laminate use a zero clearance insert or blade with Hi-ATB teeth

STACKED CHIPBOARD BLADES



Heavy-Duty Stacked Chipboard Blades

USE IN



Table Saws

Miter Saws

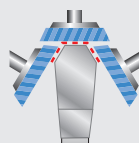


Vertical Panel Saws

Radial Arm Table Saws

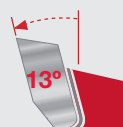
APPLICATION

For sizing sheet goods where speed is more important than a smooth finish or when cutting stacks of material



TRIPLE CHIP GRIND (TCG) TOOTH DESIGN

offers longer life when cutting abrasive man-made materials



POSITIVE HOOK ANGLE for fast cutting and easy feeding in production applications

DEPTH OF CUT



MATERIALS

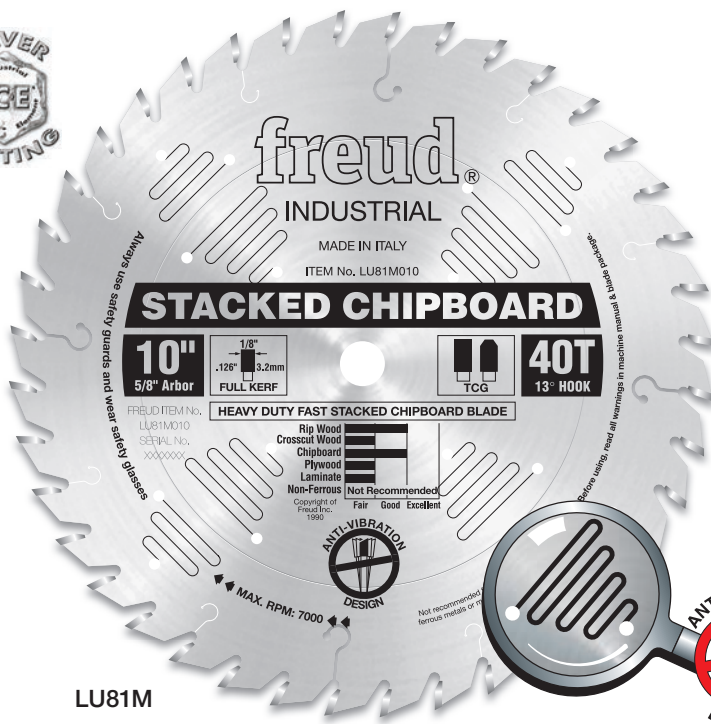


Hardwood Softwood



Plywood Laminate

Resin build up can cause a blade to drag in the cut, resulting in shorter blade life, burning in the cut and unnecessary strain on the saw. For best results, be sure the blade is clean before use.

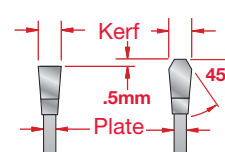
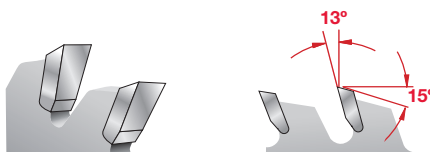
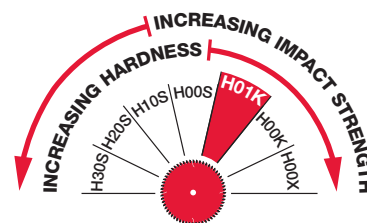


Features TiCo™
Hi-Density Carbide
Chipboard Blend For
Maximum Performance

RECOMMENDED USE

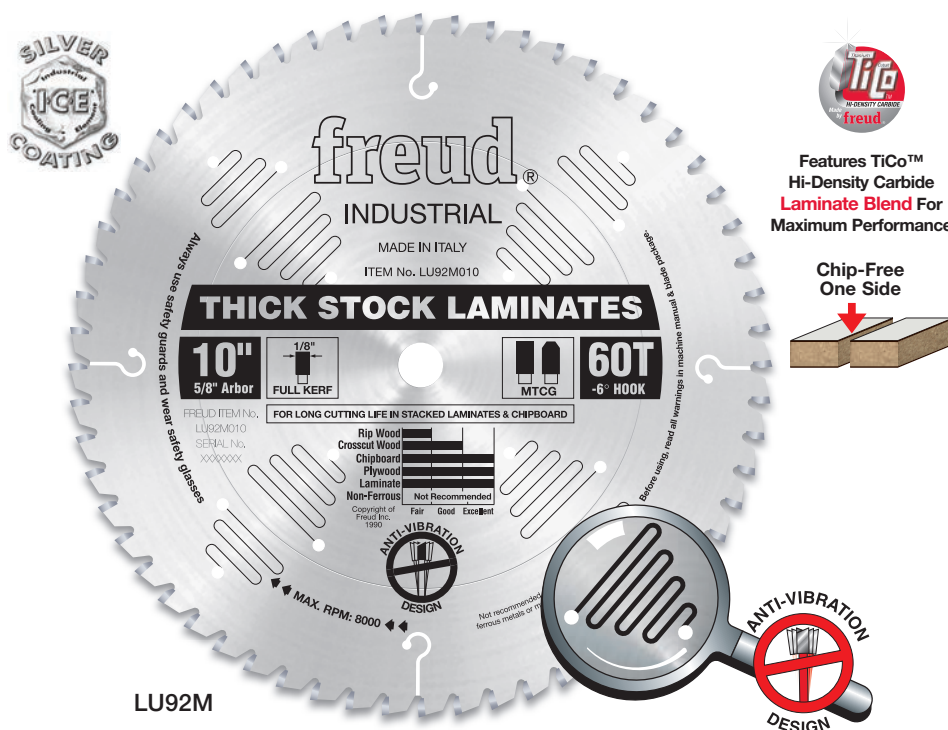
Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
10"	.126	.087	5/8"	40 TCG	LU81M010
12"	.126	.087	1"	48 TCG	LU81M012
14"	.138	.098	1"	54 TCG	LU81M014
16"	.150	.110	1"	60 TCG	LU81M016

Thick Stock Laminate Blades

LAMINATE/
MELAMINE BLADES

Features TiCo™
Hi-Density Carbide
Laminate Blend For
Maximum Performance

Chip-Free
One Side



USE IN



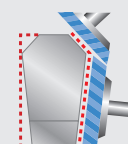
Table Saws

Miter Saws

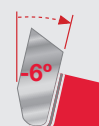
Vertical
Panel SawsRadial Arm
Table Saws

APPLICATION

Heavy-duty production blade.
Produces an excellent finish
on the top and bottom of thick
laminates and melamine. Ideal
for cutting stacked 3/4"
laminates and melamine.



**MODIFIED TRIPLE
CHIP GRIND
(MTCG) TOOTH
DESIGN** for long
life and chip-
free cuts in thick
stock man-made
materials

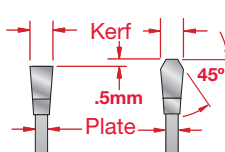
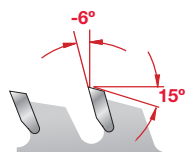
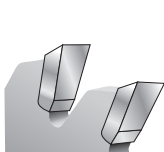


**NEGATIVE
HOOK ANGLE**
minimizes in
laminates and
melamine

RECOMMENDED USE

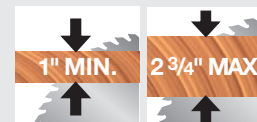
Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
8"	.126	.087	5/8"	48 MTCG	LU92M008
9"	.126	.087	5/8"	56 MTCG	LU92M009
10"	.126	.087	5/8"	60 MTCG	LU92M010
12"	.126	.087	1"	72 MTCG	LU92M012
14"	.138	.098	1"	84 MTCG	LU92M014

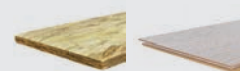
DEPTH OF CUT



MATERIALS



Hardwood Softwood Plywood

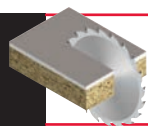


OSB Laminate

Proper blade height is
essential to chip-free cuts.
If you experience chipping
on the bottom of the
material, lower the blade
slightly. If there is chipping
on the top of the material
the blade height should be
increased slightly.



LAMINATE/ MELAMINE BLADE



Single-Sided Laminate/ Melamine Blade

USE IN



Table Saws

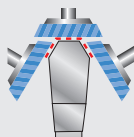
Miter Saws

Vertical
Panel SawsRadial Arm
Table Saws

Circular Saws

APPLICATION

Long life, production blades for single-sided laminates, chip board and other man-made materials



TRIPLE CHIP GRIND (TCG) TOOTH DESIGN with a positive hook angle for long life in production applications



POSITIVE HOOK ANGLE for fast cutting and easy feed

DEPTH OF CUT



MATERIALS



When cutting man-made products, such as laminates, melamines, MDF, and particle board, use a blade with Triple Chip Grind (TCG) for longest blade life.



Features TiCo™ Hi-Density Carbide Laminate Blend For Maximum Performance



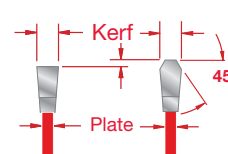
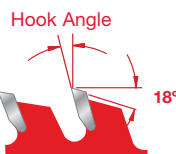
Chip-Free One Side



RECOMMENDED USE

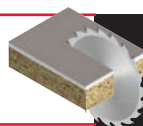
Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE

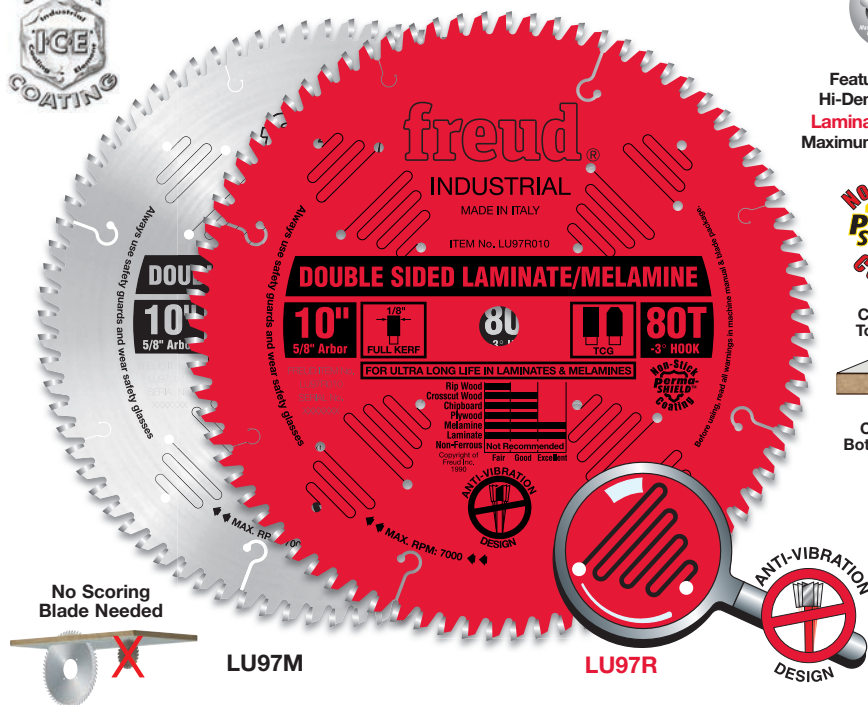


DIA.	KERF	PLATE	ARBOR	HOOK ANGLE	TEETH	Perma-SHIELD®
7"	.126	.087	5/8"	5°	56 TCG	LU98R007
8"	.126	.087	5/8"	5°	64 TCG	LU98R008
9"	.126	.087	5/8"	5°	72 TCG	LU98R009
10"	.126	.087	5/8"	5°	80 TCG	LU98R010
12"	.126	.087	1"	5°	96 TCG	LU98R012
14"	.138	.098	1"	7°	108 TCG	LU98R014
16"	.150	.110	1"	10°	120 TCG	LU98R016

Double-Sided Laminate/ Melamine Blades



LAMINATE/ MELAMINE BLADES



No Scoring
Blade Needed

LU97M

LU97R



Features TiCo™
Hi-Density Carbide
Laminate Blend For
Maximum Performance



USE IN



Table Saws

Miter Saws

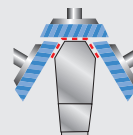


Vertical
Panel Saws

Radial Arm
Table Saws

APPLICATION

Designed to give long life and excellent finish on the top and bottom of laminates, melamine & veneered plywood. No scoring blades needed with this blade.



TRIPLE CHIP GRIND (TCG) TOOTH DESIGN

with a positive
hook angle for long
life in production
applications

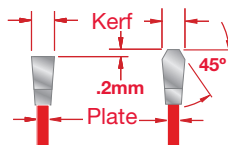
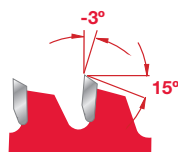


**LASER-CUT
ANTI-VIBRATION
SLOTS** drastically
reduce vibration
and sideways
movement in the
cut extending blade
life, and giving a
crisp, swirl-free
flawless finish

RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Melamine			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®	SILVER ICE™
8"	.126	.087	5/8"	64 TCG	LU97R008	—
10"	.126	.087	5/8"	80 TCG	LU97R010	LU97M010
12"	.126	.087	1"	96 TCG	LU97R012	—
14"	.138	.098	1"	108 TCG	LU97R014	—

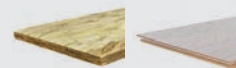
DEPTH OF CUT



MATERIALS



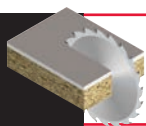
Hardwood Softwood Plywood



OSB Laminate

Proper blade height is essential to chip-free cuts. If you experience chipping on the bottom of the material, lower the blade slightly. If there is chipping on the top of the material the blade height should be increased slightly.

LAMINATE/ MELAMINE BLADE



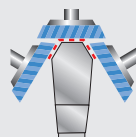
Thin Kerf Double-Sided Laminate/Melamine

USE IN



APPLICATION

Designed to give long life and excellent finish on the top and bottom of laminates, melamine & veneered plywood. No scoring blades needed with this blade!



TRIPLE CHIP GRIND (TCG) TOOTH DESIGN with a positive hook angle for long life in production applications



THIN KERF requires less power and allows for faster feed rate

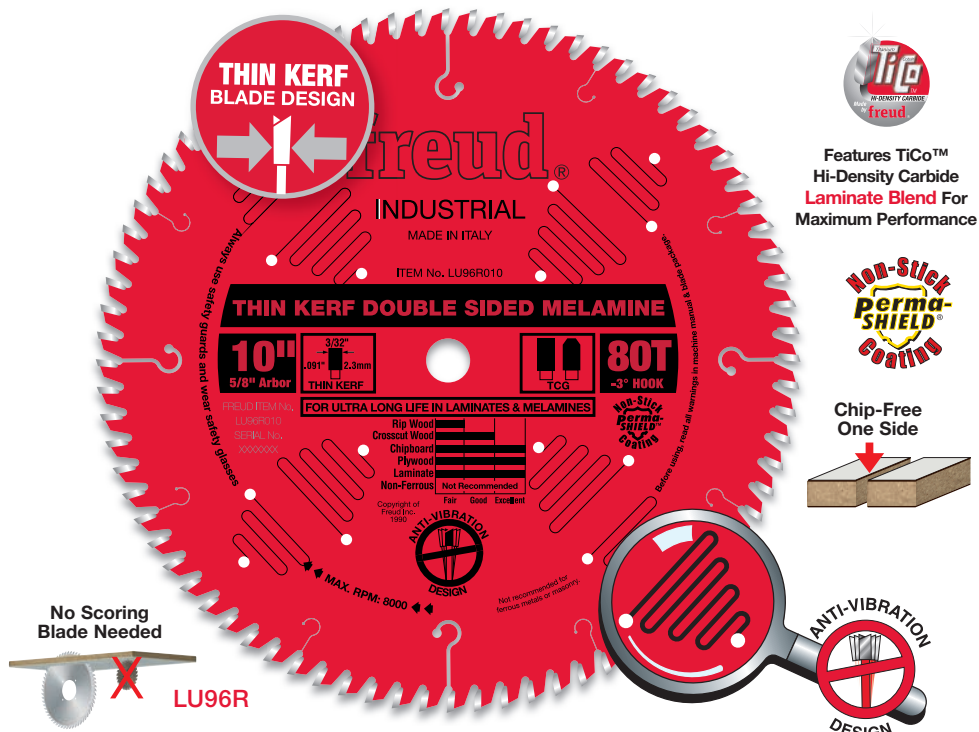
DEPTH OF CUT



MATERIALS



Proper blade height is essential to chip-free cuts. If you experience chipping on the bottom of the material, lower the blade slightly. If there is chipping on the top of the material the blade height should be increased slightly.



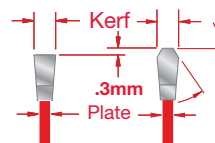
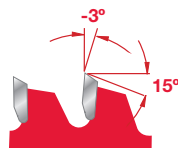
No Scoring
Blade Needed

LU96R

RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Melamine			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

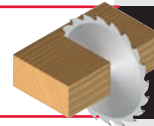
CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
160mm	.087	.063	20mm	48 TCG	LU96R006M20*
8"	.083	.063	5/8"	64 TCG	LU96R008
10"	.091	.071	5/8"	80 TCG	LU96R010
12"	.091	.071	1"	96 TCG	LU96R012

*Ideal for Track Saws

Industrial Plastic Blades



SPECIALTY BLADES



LU94M



Features TiCo™
Hi-Density Carbide
Specialty Blend For
Maximum Performance

USE IN



Table Saws

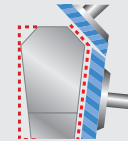
Miter Saws



Radial Arm
Table Saws

APPLICATION

Cuts acrylics, poly-carbonates and other plastics, leaving a smooth finish without melting. By combining micrograin carbide tips with a specially modified triple chip grind these blades will give a clean smooth cut.



**MODIFIED TRIPLE
CHIP GRIND
(MTCG) TOOTH
DESIGN** enables
material to remain
cool while cutting,
eliminating melting

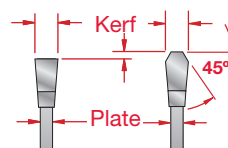
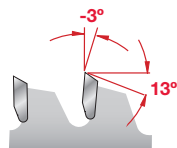


**NEGATIVE
HOOK ANGLE**
produces a
superior finish
without grabbing
the material

RECOMMENDED USE

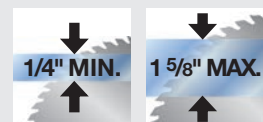
Plexiglass			
Plastis			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE

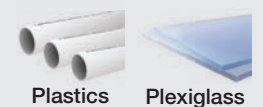


DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
8"	.110	.087	5/8"	64 MTCG	LU94M008
10"	.110	.087	5/8"	80 MTCG	LU94M010
12"	.110	.087	1"	96 MTCG	LU94M012
14"	.110	.087	1"	108 MTCG	LU94M014

DEPTH OF CUT



MATERIALS

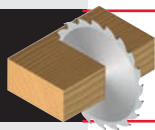


Plastics

Plexiglass

i For best results, set your saw so that the blade is exposed only enough that one half of a carbide tip protrudes beyond the material to be cut

SPECIALTY BLADES



Solid Surface Blades

USE IN



Table Saws

Miter Saws

Radial Arm
Table Saws

APPLICATION

Features teeth with a specially designed triple chip grind for leaving swirl & burn-free cuts in solid surface materials such as Dupont® Corian®, Wilsonart Gibraltar® and SSV Fountainhead®.

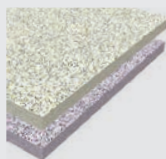


LASER-CUT ANTI-VIBRATION SLOTS drastically reduce vibration and sideways movement in the cut extending blade life, and giving a crisp, swirl-free flawless finish

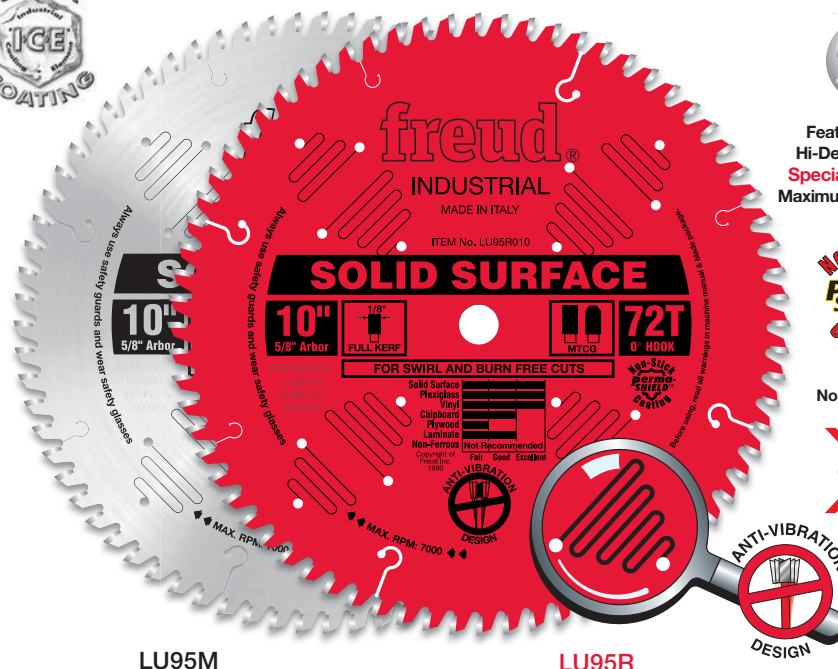
DEPTH OF CUT



MATERIALS



Solid Surface



LU95M

LU95R



Features TiCo™
Hi-Density Carbide
Specialty Blend For
Maximum Performance



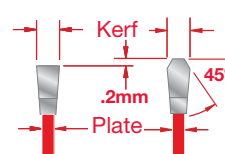
No Stabilizers
Needed



RECOMMENDED USE

Solid Surface				
Plexyglass				
Vinyl				
Chipboard				
Plywood				
Laminate				
Non-ferrous				

CARBIDE GRADE

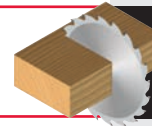


DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®	SILVER ICE™
8"	.126	.087	5/8"	60 MTCG	LU95R008	—
10"	.126	.087	5/8"	72 MTCG	LU95R010	LU95M010
12"	.126	.087	1"	84 MTCG	LU95R012	—
14"	.138	.098	1"	96 MTCG	LU95R014	—



Proper blade height on a table saw is one half of the carbide tip higher than the material to be cut

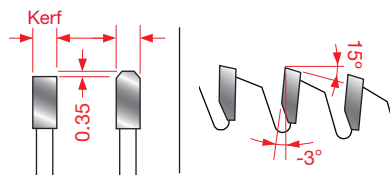
Industrial Countertop Surface Blades



SPECIALTY BLADES



MTCG Grind



USE IN



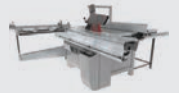
Table Saws



Vertical
Panel Saws



Radial Arm
Table Saws



Sliding Table Saw
Panel Saws

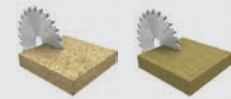
APPLICATION

Features teeth with a specially designed triple chip grind for leaving swirl & burn-free cuts in solid surface materials such as Dupont® Corian®, Wilsonart Gibraltar® and SSV Fountainhead®.

FEATURES

Designed for a smooth cut on HPL coated counter tops and other applications requiring a chip free cut

MATERIALS



Chipboard

MDF



Coated
Particle
Board

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOKE ANGLE	TEETH/ GRIND	PIN HOLES	SILVER ICE™
220	3.2 (0.126")	2.2	30	-3°	64/MTCG	2/7/42 + 2/9/46.4 + 2/10/60	LCL7M10017
254 (10")	3.2 (0.126")	2.2	1"	-3°	80/MTCG	—	LCL7M10018
250	3.2 (0.126")	2.2	30	-3°	80/MTCG	2/7/42 + 2/9/46.4 + 2/10/60	LU4D01
300	3.2 (0.126")	2.2	30	-3°	96/MTCG	2/7/42 + 2/9/46.4 + 2/10/60	LU4D02
305 (12")	3.2 (0.126")	2.2	1"	-3°	96/MTCG	—	LCL7M10022
350	3.2 (0.126")	2.2		-3°	108/MTCG		LU4D03

SPECIALTY BLADES



Industrial Countertop Surface Blades

CONTINUED

USE IN

Radial Arm
Table SawsStationary
Table Saws

APPLICATION

To size counter tops

FEATURES

Designed for a smooth cut
in laminated material and
solid surfaces

MATERIALS



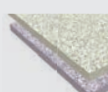
Laminate



Melamine



Chipboard

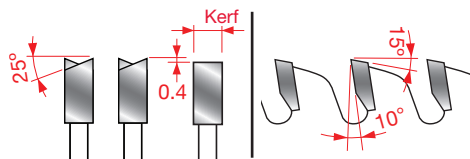


Solid Surface

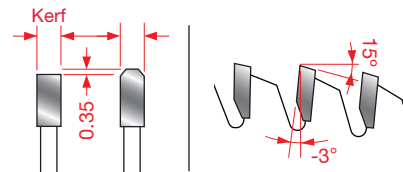


Features TiCo™
Hi-Density Carbide
Specialty Blend For
Maximum Performance

4+1 RAKER Grind



MTCG Grind



DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	SILVER ICE™
355mm (14")	4.4mm (0.173")	3	1"	0°	100/4+1 RKR	LCL7M10023
406mm (16")	4.4mm (0.173")	3	1"	0°	110/4+1 RKR	LCL7M10015
355mm (14")	4.4mm (0.173")	3	1"	-3°	84/MTCG	LCL7M10016
406mm (16")	4.4mm (0.173")	3	1"	-3°	100/MTCG	LCL7M10014

FREUD INNOVATION

ALUMINUM SAW BLADES

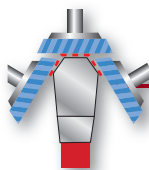
Freud's exclusive blend of TiCo™ Hi-Density Carbide is specifically designed for aluminum cutting applications to maximize cutting life and material finish.



Freud's own Silver I.C.E. Coating™ reduces heat, build up and eliminates rust and corrosion to maximize the life of the blade.



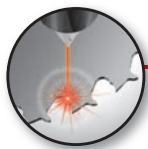
Triple Chip Grind designed to maximize life, speed, and durability, giving burr-free cuts in aluminum cutting applications.



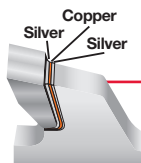
Anti-Vibration Design for unmatched accuracy in saw plate flatness and rigidity to eliminate movement and reduce vibration.



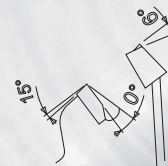
Freud's Hi-Tolerance Precision Plate Grinding & Tensioning features a laser cut blade body from **48 Rockwell steel plate** (the world's highest quality steel) that remains flat and true, over the lifetime of the blade, for ultimate accuracy.



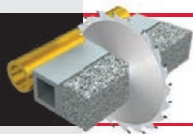
Tri-Metal Brazing consists of copper sandwiched between two layers of silver to create a stronger, more impact-resistant bond between the carbide and blade body.



PATENTED SYSTEMS
freud®
MADE IN ITALY



ALUMINUM BLADES



Medium Stock Aluminum Metal Blades

USE IN



Table Saws

Miter Saws

Portable
Table Saws

APPLICATION

This medium stock heavy-duty, aluminum metal cutting blade produces an excellent finish. Freud recommends use of a liquid lubricant when cutting. Wax sticks are not recommended.



Anti-Vibration Design for unmatched accuracy in saw plate flatness and rigidity to eliminate movement and reduce vibration.

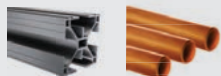


FREUD-MADE TICO™ CARBIDE is durable and chemical-resistant for long life and razor-sharp cuts

WALL THICKNESS



MATERIALS



Aluminum

Copper



Brass



LU77M

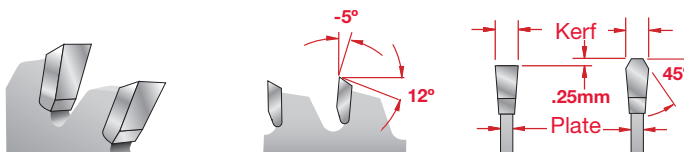


Features TiCo™
Hi-Density Carbide
Aluminum Blend For
Maximum Performance

RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
8"	.091	.071	5/8"	60 TCG	LU77M008
10"	.111	.087	5/8"	80 TCG	LU77M010
12"	.111	.087	1"	96 TCG	LU77M012

Thin Stock Aluminum Metal Blades

ALUMINUM
BLADES

LU90M



Features TiCo™
Hi-Density Carbide
Non-Ferrous Blend
For Maximum
Performance

USE IN



Table Saws

Miter Saws

Portable
Table Saws

APPLICATION

Produces a smooth, burr-free finish when cutting thin aluminum, brass and other non-ferrous metal extrusions. Freud recommends use of a liquid lubricant when cutting non-ferrous materials. Wax sticks are not recommended.

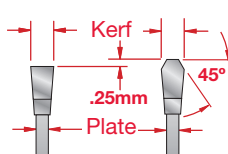
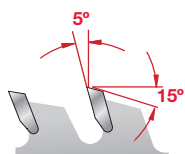
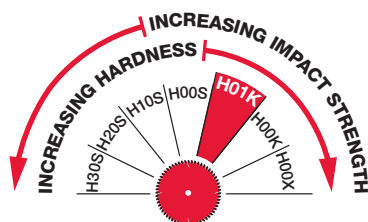


**FREUD-MADE
TICO™ CARBIDE**
is durable and
chemical-resistant
for long life and
razor-sharp cuts

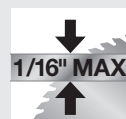
RECOMMENDED USE

Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

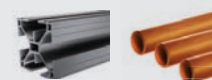
CARBIDE GRADE



WALL THICKNESS



MATERIALS



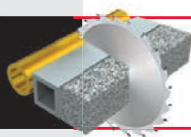
Aluminum Copper



Brass

DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
10"	.091	.071	5/8"	100 TCG	LU90M010
12"	.091	.071	1"	120 TCG	LU90M012

ALUMINUM BLADES



Thick Stock Aluminum Metal Blades

USE IN



Table Saws

Miter Saws

Portable
Table Saws

APPLICATION

This heavy-duty, aluminum metal cutting blade produces an excellent finish. Freud recommends use of a liquid lubricant when cutting. Wax sticks are not recommended.



Anti-Vibration Design for unmatched accuracy in saw plate flatness and rigidity to eliminate movement and reduce vibration.

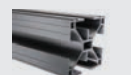


FREUD-MADE TiCo™ CARBIDE is durable and chemical-resistant for long life and razor-sharp cuts

WALL THICKNESS



MATERIALS



Aluminum



Copper



Brass



LU89M

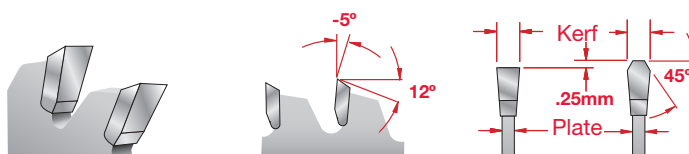


Features TiCo™
Hi-Density Carbide
Aluminum Blend For
Maximum Performance

RECOMMENDED USE

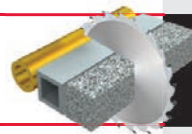
Rips Wood			
Crosscuts Wood			
Chip Board			
Plywood			
Laminate			
Non-ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
8"	.091	.071	5/8"	48 TCG	LU89M008
10"	.11	.087	5/8"	60 TCG	LU89M010
12"	.11	.087	1"	72 TCG	LU89M012
14"	.142	.118	1"	100 TCG	LU89M014
15"	.142	.118	1"	108 TCG	LU89M015
16"	.142	.118	1"	114 TCG	LU89M016

Medium to Thick Aluminum & Non-Ferrous Blades with Mechanical Clamping



ALUMINUM BLADES

SAW BLADES



Features TiCo™
Hi-Density Carbide

USE IN



Table Saws



Miter Saws



Vertical
Panel Saws



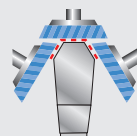
Double Miter
Table Saws



Sliding Compound
Miter Saws

APPLICATION

To cut solid drawn products



TRIPLE CHIP GRIND (TCG) TOOTH DESIGN

with a positive
hook angle for long
life in production
applications



FREUD-MADE TiCo™ CARBIDE

is durable and
chemical-resistant
for long life and
razor-sharp cuts

DEPTH OF CUT



MATERIALS



Aluminum



Copper



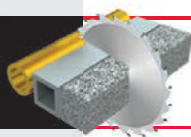
Brass



Plastic
(Up to 1" Thick)

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOO K A N G L E	TEETH/ GRIND	PIN H O L E S	SILVER ICE™
200	2.8	2	30	10°	54 TCG	—	LU5A01
250	3.5	3	30	10°	60 TCG	2/9/46.4+ 2/10/60	LU5A02
250	3.5	3	32	10°	60 TCG	2/11/63	LU5A03
275	3.5	3	40	10°	68 TCG	2/9/55+ 4/12/64	LU5A04
300	3.5	3	30	10°	72 TCG	2/9/46.4+ 2/10/60	LU5A05
300	3.5	3	32	10°	72 TCG	2/11/63	LU5A06
330	3.5	3	30	10°	84 TCG	2/9/46.4+ 2/10/60	LU5A08
330	3.5	3	32	10°	84 TCG	2/11/63	LU5A09
350	3.5	3	30	10°	84 TCG	2/9/46.4+ 2/10/60	LU5A10
350	3.5	3	32	10°	84 TCG	2/11/63	LU5A11
350	3.5	3	40	10°	84 TCG	2/9/55+ 4/12/64	LU5A12
370	3.5	3	30	10°	90 TCG	—	LU5A13
370	3.5	3	50	10°	90 TCG	4/15/80	LU5A14
400	3.5	3	30	10°	96 TCG	2/11/63	LU5A16
400	3.5	3	32	10°	96 TCG	2/11/63	LU5A17
400	3.5	3	40	10°	96 TCG	2/12/64+ 2/15/80	LU5A18
400	3.5	3	50	10°	96 TCG	4/15/80	LU5A19
420	3.5	3	30	10°	96 TCG	2/11/70	LU5A20
450	4	3.2	30	10°	108 TCG	2/11/63	LU5A21
450	4	3.2	32	10°	108 TCG	2/11/64	LU5A22
450	4	3.2	40	10°	108 TCG	2/12/64+ 2/15/80	LU5A23
450	4	3.2	50	10°	108 TCG	4/15/80	LU5A24
500	4	3.2	30	10°	120 TCG	2/10.5/70	LU5A25
500	4	3.2	32	10°	120 TCG	2/11/63	LU5A26
500	4	3.2	50	10°	120 TCG	4/15/80	LU5A27
530	4.2	3.5	30	10°	126 TCG	1/10.5/70	LU5A28
550	4.2	3.5	30	10°	132 TCG	1/10.5/70	LU5A29

ALUMINUM BLADES



Thin to Medium Aluminum & Non-Ferrous Blades with Mechanical Clamping

USE IN



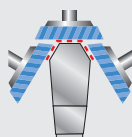
Table Saws

Miter Saws

Vertical
Panel SawsDouble Miter
Table SawsSliding Compound
Miter Saws

APPLICATION

To cut solid drawn products.



**TRIPLE CHIP
GRIND (TCG)
TOOTH DESIGN**
with a positive
hook angle for long
life in production
applications

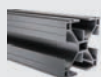


**FREUD-MADE
TiCo™ CARBIDE**
is durable and
chemical-resistant
for long life and
razor-sharp cuts

DEPTH OF CUT



MATERIALS



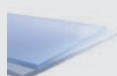
Aluminum



Copper

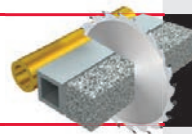


Brass

Plastic
(Up to 1" Thick)Features TiCo™
Hi-Density Carbide

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	SILVER ICE™
200	2.8	2.2	30	5°	64 TCG	—	LU5B01
250	3.5	3	30	5°	80 TCG	2/9/46.4+ 2/10/60	LU5B02
250	3.5	3	32	5°	80 TCG	2/11/63	LU5B03
275	3.5	3	40	5°	84 TCG	2/9/55+ 4/12/64	LU5B04
300	3.5	3	30	5°	88 TCG	2/9/46.4+ 2/10/60	LU5B05
300	3.5	3	32	5°	88 TCG	2/11/63	LU5B06
300	3.5	3	40	5°	88 TCG	2/9/55+ 4/12/64	LU5B07
300	3.5	3	32	5°	96 TCG	2/11/63	LU5B09
300	3.5	3	40	5°	96 TCG	2/9/55+ 4/12/64	LU5B10
330	3.5	3	30	5°	104 TCG	2/9/46.4+ 2/10/60	LU5B11
330	3.5	3	30	5°	104 TCG	2/11/63	LU5B12
350	3.5	3	30	5°	96 TCG	9/46.4+ 2/10/60	LU5B13
350	3.5	3	32	5°	96 TCG	2/11/63	LU5B14
350	3.5	3	40	5°	96 TCG	2/9/55+ 4/12/64	LU5B15
350	3.5	3	30	5°	108 TCG	2/9/46.4+ 2/10/60	LU5B16
350	3.5	3	32	5°	108 TCG	2/11/63	LU5B17
350	3.5	3	40	5°	108 TCG	2/9/55+ 4/12/64	LU5B18
370	3.5	3	30	5°	112 TCG	—	LU5B19
370	3.5	3	50	5°	112 TCG	4/15/80	LU5B20

Thin to Medium Aluminum & Non-Ferrous Blades with Mechanical Clamping



ALUMINUM BLADES

CONTINUED

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	SILVER ICE™
380	3.5	3	32	5°	112 TCG	2/11/63	LU5B21
400	3.5	3	30	5°	120 TCG	2/11/63	LU5B22
400	3.5	3	32	5°	120 TCG	2/11/63	LU5B23
400	3.5	3	40	5°	120 TCG	2/12/64+ 2/15/80	LU5B24
400	3.5	3	50	5°	128 TCG	4/15/80	LU5B25
420	3.5	3	30	5°	128 TCG	2/11/70	LU5B26
450	4	3.2	30	5°	128 TCG	–	LU5B27
450	4	3.2	32	5°	128 TCG	2/11/63	LU5B28
500	4	3.2	30	5°	140 TCG	2/10.5/70	LU5B3100
500	4	3.2	32	5°	140 TCG	2/11/63	LU5B32
550	4.2	3.5	30	5°	148 TCG	2/11/63	LU5B3500
550	4.2	3.5	1"	5°	148 TCG	2/11/63	LU5B3501
22"	4.2	3.5	1"	5°	96 TCG	–	LU5B3571
22"	4.2	3.5	1"	5°	120 TCG	–	LU5B3572
600	4.8	3.8	30	5°	156 TCG	–	LU5B3600
600	4.8	3.8	30	5°	108 TCG	–	LU5B3601
24	4.8	3.8	1"	5°	96 TCG	–	LU5B3671
24	4.8	3.8	1"	5°	120 TCG	–	LU5B3672
550	4.2	3.5	32	5°	32 TCG	2/11/63	LU5B38

USE IN



Table Saws



Miter Saws



Vertical
Panel Saws



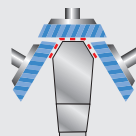
Double Miter
Table Saws



Sliding Compound
Miter Saws

APPLICATION

To cut solid drawn products



TRIPLE CHIP GRIND (TCG) TOOTH DESIGN

with a positive
hook angle for long
life in production
applications



**FREUD-MADE
TICO™ CARBIDE**
is durable and
chemical-resistant
for long life and
razor-sharp cuts

DEPTH OF CUT



MATERIALS



Aluminum



Copper

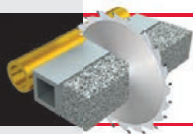


Brass



Plastic
(Up to 1" Thick)

ALUMINUM BLADES



Medium to Thick Aluminum & Non-Ferrous Blades With or Without Mechanical Clamping

USE IN



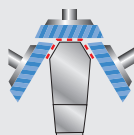
Table Saws

Miter Saws

Vertical
Panel SawsDouble Miter
Table SawsSliding Compound
Miter Saws

APPLICATION

To cut solid drawn products



**TRIPLE CHIP
GRIND (TCG)
TOOTH DESIGN**
with a positive
hook angle for long
life in production
applications

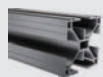


**FREUD-MADE
TICO™ CARBIDE**
is durable and
chemical-resistant
for long life and
razor-sharp cuts

DEPTH OF CUT



MATERIALS



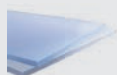
Aluminum



Copper



Brass

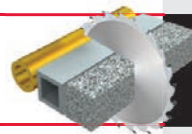
Plastic
(Up to 1" Thick)

LU5C SERIES

Features TiCo™
Hi-Density Carbide

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	SILVER ICE™
180	2.8	2.2	20	-6°	42 TCG	—	LU5C01
180	2.8	2.2	30	-6°	42 TCG	—	LU5C02
200	2.8	2.2	30	-6°	48 TCG	—	LU5C03
250	3.5	3	30	-6°	54 TCG	—	LU5C04
275	3.5	3	40	-6°	60 TCG	—	LU5C06
300	3.5	3	30	-6°	72 TCG	2/9/46.4+ 2/10/60	LU5C07
12"	3.5	3	1"	-6°	72 TCG	—	LU5C0770
12"	3.5	3	5/8"	-6°	72 TCG	—	LU5C0771
300	3.5	3	32	-6°	72 TCG	2/11/63	LU5C08
300	3.5	3	40	-6°	72 TCG	2/9/55+ 4/12/64	LU5C09
330	3.5	3	30	-6°	80 TCG	—	LU5C10
330	3.5	3	32	-6°	80 TCG	2/11/63	LU5C11
350	3.5	3	30	-6°	84 TCG	2/7/42+ 2/9/46.4+ 2/10/60	LU5C12
14"	3.5	3	30	-6°	84 TCG	—	LU5C1270
350	3.5	3	32	-6°	84 TCG	'2/11/63	LU5C13
350	3.5	3	40	-6°	84 TCG	2/9/55+ 4/12/64	LU5C14
370	3.5	3	30	-6°	90 TCG	—	LU5C15
370	3.5	3	50	-6°	90 TCG	4/15/80	LU5C16
380	3.5	3	32	-6°	96 TCG	2/11/63	LU5C17
15"	3.5	3	1"	-6°	96 TCG	—	LU5C1770
400	3.5	3	30	-6°	96 TCG	2/11/70	LU5C18
16"	3.5	3	1"	-6°	96 TCG	—	LU5C1870
400	3.5	3	32	-6°	96 TCG	2/11/63	LU5C19
400	3.5	3	40	-6°	96 TCG	2/15/80+ 2/12/64	LU5C20
400	3.5	3	50	-6°	96 TCG	4/15/80	LU5C21
420	4	3.2	30	-6°	96 TCG	2/11/70	LU5C22
420	4	3.2	40	-6°	96 TCG	—	LU5C23
450	4	3.2	30	-6°	108 TCG	—	LU5C24
450	4.5	3.2	1"	-6°	108 TCG	—	LU5C2401
18"	4.5	3.2	1"	-6°	108 TCG	—	LU5C2470
450	4	3.2	32	-6°	108 TCG	2/11/63	LU5C25
450	4	3.2	40	-6°	108 TCG	2/15/80+ 2/12/64	LU5C26
450	4	3.2	50	-6°	108 TCG	4/15/80	LU5C27
500	4	3.2	30	-6°	120 TCG	—	LU5C28
20"	44	3.2	1"	-6°	120 TCG	—	LU5C2870
500	4	3.2	32	-6°	120 TCG	2/11/63	LU5C29

Medium Aluminum & Non-Ferrous Blades With or Without Mechanical Clamping



ALUMINUM BLADES

SAW BLADES



LU5D SERIES



Features TiCo™
Hi-Density Carbide

USE IN



Table Saws



Miter Saws



Vertical
Panel Saws



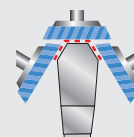
Double Miter
Table Saws



Sliding Compound
Miter Saws

APPLICATION

To cut solid drawn products



**TRIPLE CHIP
GRIND (TCG)
TOOTH DESIGN**
with a positive
hook angle for long
life in production
applications



**FREUD-MADE
TiCo™ CARBIDE**
is durable and
chemical-resistant
for long life and
razor-sharp cuts

DEPTH OF CUT



MATERIALS



Aluminum



Copper



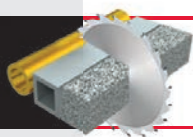
Brass



Plastic
(Up to 1" Thick)

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	SILVER ICE™
160	2.8	2.2	20	-6°	42 TCG	—	LU5D01
190	2.8	2.2	30	-6°	54 TCG	—	LU5D02
200	2.8	2.2	30	-6°	60 TCG	—	LU5D03
210	2.8	2.2	30	-6°	60 TCG	—	LU5D04
216	2.8	2.2	30	-6°	60 TCG	—	LU5D05
220	3	2.5	30	-6°	64 TCG	9/46.4+ 2/10/60	LU5D06
230	3	2.5	30	-6°	64 TCG	—	LU5D07
250	3.5	3	30	-6°	80 TCG	9/46.4+ 2/10/60	LU5D08
10"	3.5	3	5/8"	-6°	80 TCG	—	LU5D0870
250	3.5	3	32	-6°	80 TCG	2/11/63	LU5D09
250	3.5	3	40	-6°	80 TCG	2/9/55+ 4/12/64	LU5D10
275	3.5	3	40	-6°	84 TCG	2/9/55+ 4/12/64	LU5D11
300	3.5	3	30	-6°	96 TCG	2/9/46.4+ 2/10/60	LU5D12
12"	3.5	3	1"	-6°	96 TCG	—	LU5D1270
12"	3.5	3	5/8"	-6°	96 TCG	—	LU5D1271
300	3.5	3	32	-6°	96 TCG	2/11/63	LU5D13
300	3.5	3	40	-6°	96 TCG	2/9/55+ 4/12/64	LU5D14
330	3.5	3	30	-6°	104 TCG	2/9/46.4+ 2/10/60	LU5D15
330	3.5	3	32	-6°	104 TCG	2/11/63	LU5D16
350	3.5	3	30	-6°	108 TCG	2/9/46.4+ 2/10/60	LU5D17
14"	3.5	3	1"	-6°	108 TCG	—	LU5D1770
14"	3.5	3	5/8"	-6°	108 TCG	PISTORIUS	LU5D1771
350	3.5	3	32	-6°	108 TCG	2/11/63	LU5D18
350	3.5	3	40	-6°	108 TCG	2/9/55+ 4/12/64	LU5D19
370	3.5	3	30	-6°	108 TCG	—	LU5D20

ALUMINUM BLADES



Medium Aluminum & Non-Ferrous Blades With or Without Mechanical Clamping

USE IN



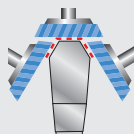
Table Saws

Miter Saws

Vertical
Panel SawsDouble Miter
Table SawsSliding Compound
Miter Saws

APPLICATION

To cut solid drawn products



**TRIPLE CHIP
GRIND (TCG)
TOOTH DESIGN**
with a positive
hook angle for long
life in production
applications

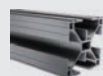


**FREUD-MADE
TICO™ CARBIDE**
is durable and
chemical-resistant
for long life and
razor-sharp cuts

DEPTH OF CUT



MATERIALS



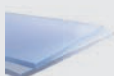
Aluminum



Copper



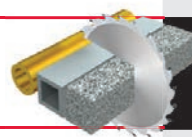
Brass

Plastic
(Up to 1" Thick)

CONTINUED

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	SILVER ICE™
380	3.5	3	32	-6°	108 TCG	2/11/63	LU5D22
400	3.5	3	30	-6°	120 TCG	—	LU5D23
16'	3.5	3	1"	-6°	120 TCG	—	LU5D2370
400	3.5	3	32	-6°	120 TCG	2/11/63	LU5D24
400	3.5	3	40	-6°	120 TCG	2/15/80+ 2/12/64	LU5D25
400	3.5	3	50	-6°	120 TCG	4/15/80	LU5D26
420	4	3.2	30	-6°	120 TCG	2/11/70	LU5D27
420	4	3.2	40	-6°	120 TCG	—	LU5D28
450	4	3.2	30	-6°	128 TCG	—	LU5D29
18"	4	3.2	1"	-6°	128 TCG	—	LU5D2970
500	4	3.2	32	-6°	140 TCG	2/11/63	LU5D34
20"	4	3.2	1"	-6°	140 TCG	—	LU5D3470

Ultra-Thin Aluminum & Non-Ferrous Blades With Mechanical Clamping



ALUMINUM BLADES



LU5E SERIES



Features TiCo™
Hi-Density Carbide

USE IN



Table Saws



Miter Saws



Vertical
Panel Saws



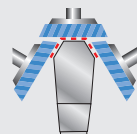
Double Miter
Table Saws



Sliding Compound
Miter Saws

APPLICATION

To cut solid drawn products



**TRIPLE CHIP
GRIND (TCG)
TOOTH DESIGN**
with a positive
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**FREUD-MADE
TICO™ CARBIDE**
is durable and
chemical-resistant
for long life and
razor-sharp cuts

DEPTH OF CUT



MATERIALS



Aluminum



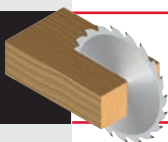
Copper



Brass

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	SILVER ICE™
250	2.8	2.2	2X	5°	100 TCG	2/7/42+ 2/9/46.4+ 2/10/60	LU5E01
250	2.8	2.2	2X	5°	100 TCG	2/11/63	LU5E02
255	2.8	2.2	2X	5°	100 TCG	—	LU5E03
10"	2.8	2.2	2X	5°	100 TCG	—	LU5E0370
255	2.8	2.2	2X	5°	120 TCG	—	LU5E04
300	3	2.5	30	5°	100 TCG	2/9/46.4+ 2/10/60	LU5E05
305	3	2.5	1"	5°	120 TCG	—	LU5E06
300	3	2.5	30	5°	120 TCG	2/9/46.4+ 2/10/60	LU5E07
12"	3	2.2	1"	5°	120 TCG	—	LU5E0770
12"	3	2.2	5/8"	5°	120 TCG	— PISTORIUS	LU5E0771
300	3	2.5	32	5°	120 TCG	2/11/63	LU5E08
350	3	2.5	30	5°	100 TCG	2/9/46.4+ 2/10/60	LU5E09
350	3	2.5	32	5°	100 TCG	2/11/63	LU5E10
350	3	2.5	30	5°	120 TCG	2/9/46.4+ 2/10/60	LU5E11
14"	3	2.5	1"	5°	120 TCG	—	LU5E1170
14"	3	2.5	5/8"	5°	120 TCG	PISTORIUS	LU5E1171
350	3	2.5	32	5°	120 TCG	2/11/63	LU5E12

RIPPING BLADES



Industrial Ripping Blades

USE IN



Gang Rip

APPLICATION

For gang ripping

FEATURES

TCG Grind for smooth glue line ready edge and a positive hook angle for fast cutting

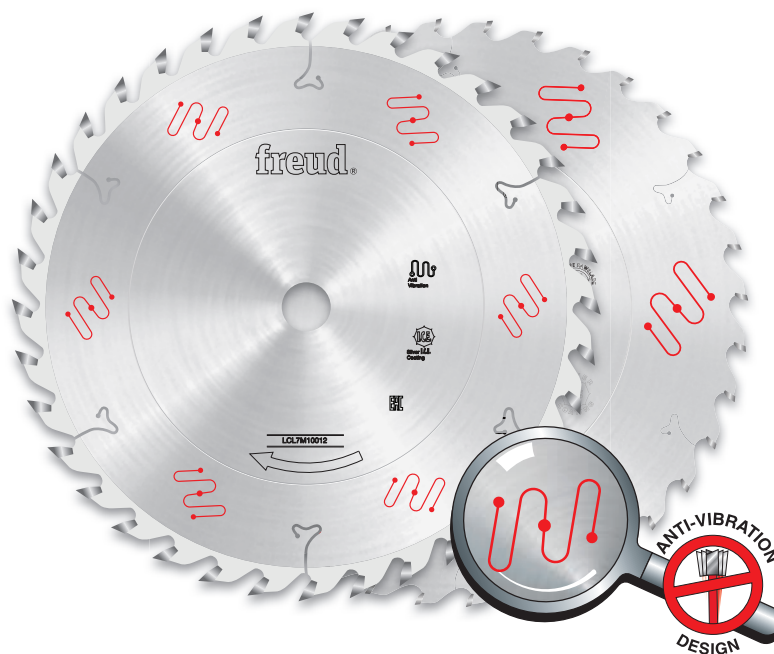
MATERIALS



Hardwood



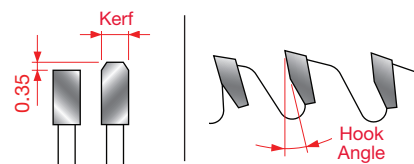
Softwood



Features TiCo™
Hi-Density Carbide

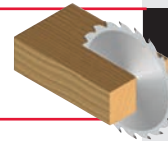


TCG Grind



DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER
300	3.4 (0.134")	2.2	80	20°	36/TCG	2/13/100+4/6.6/95+ DKW 18.5x4.0	LCL7M10038
300	4.2 (0.165")	3	80	18°	36/TCG	2/13/100+4/6.6/95+ DKW 18.5x4.0	LCL7M10072
300	2.8 (0.110")	2	80	18°	36/TCG	2/13/100+4/6.6/95+ DKW 18.5x4.0	LCL7M10073
300	4.2 (0.165")	3	80	18°	48/TCG	2/13/100+4/6.6/95+ DKW 18.5x4.0	LCL7M10074
300	2.8 (0.110")	2	80	18°	48/TCG	2/13/100+4/6.6/95+ DKW 18.5x4.0	LCL7M10075
305 (12")	3.2 (0.126")	2.2	1"	20°	36/TCG	—	LCL7M10004
305 (12")	3.2 (0.126")	2.2	3-1/8"	20°	36/TCG	DKW 6.75x3.573, DKW 13x7	LCL7M10005
305 (12")	4.06 (0.160")	2.8	3-1/8"	20°	36/TCG	DKW 6.75x3.573, DKW 13x8	LCL7M10007
305 (12")	4.06 (0.160")	2.8	70	20°	36/TCG	DKW 21x5	LCL7M10008
305 (12")	4.06 (0.160")	2.8	1"	20°	36/TCG	—	LCL7M10012
355 (14")	4.3 (0.169")	3	2"	20°	36/TCG	1-9/16"/5	LCL7M10009
355 (14")	4.3 (0.169")	3	3-1/8"	20°	36/TCG	DKW 6.75x3.573, DKW 13x7	LCL7M10010
355 (14")	4.3 (0.169")	3	70	20°	36/TCG	DKW 21x5	LCL7M10011
355 (14")	4.3 (0.169")	3	1"	20°	36/TCG	2/13/100+4/6.6/94.6 ch 2 18.5x4.0	LCL7M10013

Pallet and Lumber Ripping Blades



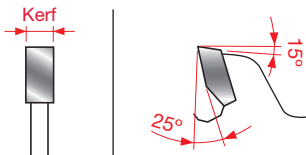
RIPPING BLADES

SAW BLADES

Non-Stick
Perma-
SHIELD
Coating



FLAT Grind



USE IN



Gang Rip or Pallet Machine

APPLICATION

Pallet and lumber ripping

FEATURES

Flat Grind for smooth cuts and an aggressive hook angle for fast cutting. Single and double strobes for decreased binding and blade tracking.

MATERIALS



Hardwood



Softwood

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER
254 (10")	3.2 (0.126")	2.2	2-3/8"	25°	10/FLAT	DKW with Strobes	LCL7M10052
254 (10")	3.2 (0.126")	2.2	2-15/16"	25°	10/FLAT	DKW with Strobes	LCL7M10067
254 (10")	4 (0.157")	2.5	2-3/8"	25°	10/FLAT	DKW with Strobes	LCL7M10056
254 (10")	4 (0.157")	2.5	2 -15/16"	25°	10/FLAT	DKW with Strobes	LCL7M10068
305 (12")	3.2 (0.126")	2.2	2-3/8"	25°	12/FLAT	DKW with Strobes	LCL7M10057
305 (12")	3.2 (0.126")	2.2	2 -15/16"	25°	12/FLAT	DKW with Strobes	LCL7M10069
305 (12")	3.2 (0.126")	2.2	2"	25°	12/FLAT	DKW with Strobes	LCL7M10059
305 (12")	4 (0.157")	2.5	2-3/8"	25°	12/FLAT	DKW with Strobes	LCL7M10058
305 (12")	4 (0.157")	2.5	2 -15/16"	25°	12/FLAT	DKW with Strobes	LCL7M10070
355 (14")	3.5 (0.138")	2.5	2-3/8"	25°	16/FLAT	DKW with Strobes	LCL7M10060
355 (14")	3.5 (0.138")	2.5	2"	25°	16/FLAT	DKW with Strobes	LCL7M10061

CROSSCUTTING
BLADES

Industrial Crosscutting Blades

USE IN



Miter Saws

Radial Arm
Table SawsDouble Miter
Table Saws

APPLICATION

To crosscut in industrial
applications

FEATURES

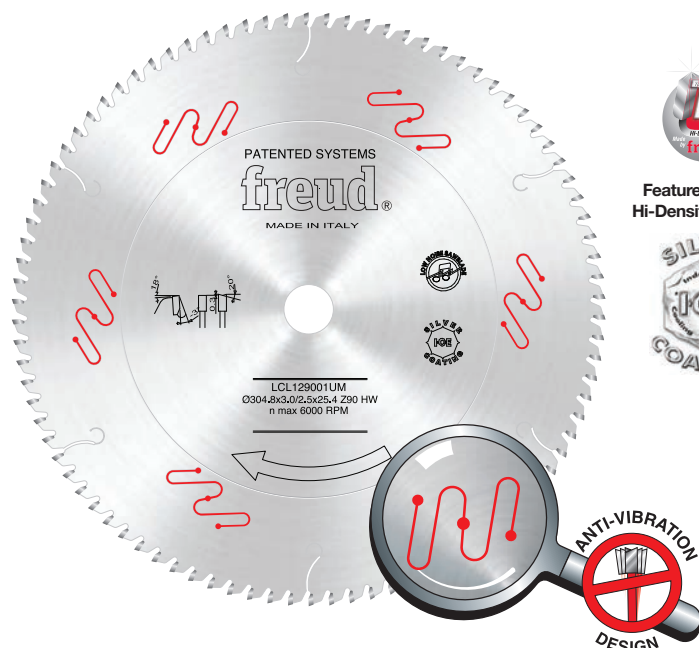
Specialty grind design
specific for flawless,
chip free cutting

MATERIALS



Hardwood

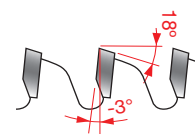
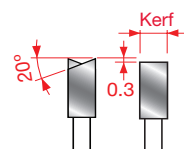
Softwood

Coated &
Non-coated
Frames

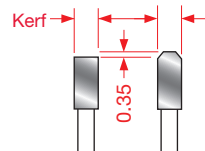
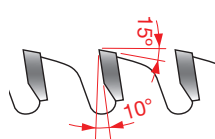
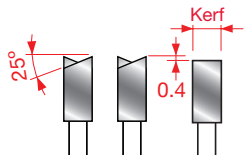
Features TiCo™
Hi-Density Carbide



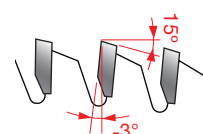
ATB+RAKER Grind



4+1 RAKER Grind



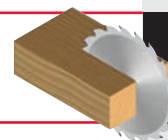
MTCG Grind



DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	ITEM NUMBER
305 (12")	3.0 (.118")	2.5 (.098")	15.88 (5/8")	-3°	108/MTCG	LCL12108NFP*
305 (12")	3.2 (.126")	2.2 (.087")	15.88 (5/8")	10°	100/4+1 RKR	LCL7M10045
350 (12")	3.4 (.134")	2.5 (.098")	15.88 (5/8")	10°	100/4+1 RKR	LCL7M10047

* Aluminum Blade

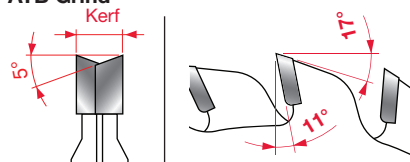
Adjustable Scoring Blades

SCORING
BLADES

Features TiCo™
Hi-Density Carbide



ATB Grind



USE IN



Sliding Table Saws

APPLICATION

To score the coating on
bilaminated panels

FEATURES

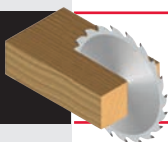
ATB tooth 5° with positive
cutting angle

MATERIALS

Double sided
chipboard

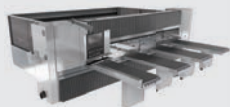
DIA. (mm)	KERF (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER
120	2.8-3.6	20	11°	12+12 Split Score	—	LI16MAA3
120	2.8-3.6	22	11°	12+12 Split Score	—	LI16MAB3
120	2.8-3.6	3/4"	11°	12+12 Split Score	—	LI16MAC3
100	2.8-3.6	20	11°	12+12 Split Score	—	LI16MBA3
100	2.8-3.6	22	11°	12+12 Split Score	—	LI16MBB3
100	2.8-3.6	3/4"	11°	12+12 Split Score	—	LI16MBC3
105	2.8-3.6	20	11°	10+10 Split Score	—	LI16MCA3
125	2.8-3.6	20	11°	14+14 Split Score	—	LI16MEA3
125	2.8-3.6	22	11°	14+14 Split Score	—	LI16MEB3
125	2.8-3.6	20	11°	12+12 Split Score	—	LI16MFA3
80	2.8-3.6	20	11°	12+12 Split Score	—	LI16MGA3
80	2.8-3.6	20	11°	10+10 Split Score	—	LI16MHA3
180	4.0-5.0	20	11°	20+20 Split Score	—	LI16MMA3
180	4.4-5.6	45	11°	20+20 Split Score	—	LI16MNE3
120	2.8-3.6	50	11°	12+12 Split Score	Shimless (for RAPIDO)	LI16MPF3
120	2.8-3.6	50	11°	12+12 Split Score	—	LI16MRF3

SCORING BLADES



Conical Scoring Blades

USE IN



Horizontal
Beam Saws

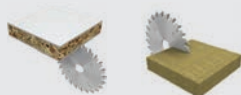
APPLICATION

To score the coating on
bilaminated panels

FEATURES

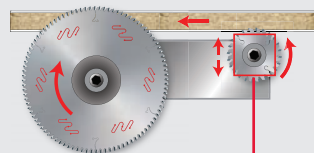
ATB 6° tooth with positive
cutting angle

MATERIALS



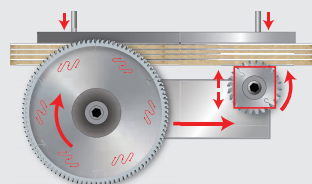
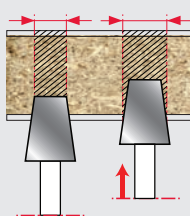
Double sided
chipboard

MDF



Min. Kerf
of the
scorer
blade

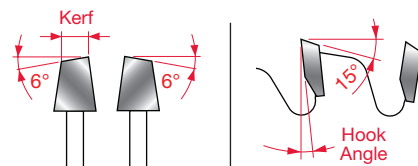
Max. Kerf
of the
scorer
blade



Features TiCo™
Hi-Density Carbide

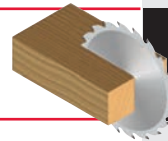


CONICAL + ATB Grind



DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER
80	3.1-4.3	2.2	20	0°	12/Conical	—	LI25M31AA3
80	3.1-4.3	2.2	22	0°	12/Conical	—	LI25M31AB3
100	3.1-4.3	2.2	20	0°	24/Conical	—	LI25M31BA3
100	3.1-4.3	2.5	22	0°	24/Conical	—	LI25M31BB3
115	3.1-4.3	2.5	20	0°	24/Conical	—	LI25M31DA3
120	2.8-4.0	2.2	20	0°	24/Conical	—	LI25M28EA3
120	3.1-4.3	2.2	20	0°	24/Conical	—	LI25M31EA3
120	3.4-4.6	2.2	20	0°	24/Conical	—	LI25M34EA3
120	2.8-4.0	2.2	22	0°	24/Conical	—	LI25M28EB3
120	3.1-4.3	2.2	22	0°	24/Conical	—	LI25M31EB3
125	3.1-4.3	2.2	20	0°	24/Conical	—	LI25M31FA3
125	3.4-4.6	2.2	20	0°	24/Conical	—	LI25M34FA3
125	3.1-4.3	2.2	20	0°	24/Conical	—	LI25M43FA3
125	3.4-4.6	2.2	22	0°	24/Conical	—	LI25M31FB3
125	3.4-4.6	2.2	45	0°	24/Conical	—	LI25M34FE3
125	4.3-5.5	3.2	45	0°	24/Conical	—	LI25M43FE3
125	4.5-5.7	3	45	0°	24/Conical	—	LI25M45FE3
140	3.1-4.3	2.2	16	8°	28/Conical	—	LI25M31HM3
140	3.4-4.7	3	45	8°	24/Conical	—	LI25M34HE3
140	4.3-5.5	3.2	45	8°	28/Conical	—	LI25M34HE3
150	3.1-4.3	2.2	30	8°	36/Conical	—	LI25M31KC3
150	3.4-4.7	2.2	30	8°	36/Conical	—	LI25M34KC3
150	4.3-5.6	3.2	30	8°	36/Conical	—	LI25M43KC3
150	4.3-5.5	3.2	45	8°	36/Conical	—	LI25M43KE3
150	4.5-5.8	3	45	8°	36/Conical	—	LI25M45KE3
160	3.1-4.3	2.2	20	8°	36/Conical	—	LI25M31LA3

Conical Scoring Blades

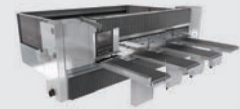


SCORING BLADES

CONTINUED

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER
160	4.3-5.6	3.2	30	8°	36/Conical	–	LI25M43LC3
160	4.3-5.5	3.2	45	8°	36/Conical	3/1170	LI25M43LE3
160	4.3-5.5	3.2	55	8°	36/Conical	3/6/84+3/7/66	LI25M43LG3
160	4.3-5.7	3	55	8°	36/Conical	3/7/66+3/9/84	LI25M45LG3
160	4.3-5.5	3.2	60	8°	36/Conical	3/7/80	LI25M43LH3
160	5.1-6.3	3.5	60	8°	36/Conical	5/7/80	LI25M51LH3
160	3.1-4.6	2.2	1"	8°	36/Conical	–	LI25M34LR3
180	4.3-5.5	3.2	20	8°	28/Conical	–	LI25M43NA3
180	5.7-6.9	4	20	8°	36/Conical	–	LI25M57NA3
180	4.3-5.5	3.2	30	8°	28/Conical	2/7/42+2/10/60	LI25M43NC3
180	4.3-5.5	3.2	30	8°	36/Conical	2/10/60+2/7/42	LI25M43XN3
180	4.3-5.5	3.2	45	8°	36/Conical	–	LI25M43NE3
180	4.7-5.9	3.5	45	8°	36/Conical	–	LI25M47NE3
180	4.3-5.5	3.2	50	8°	36/Conical	3/13/80	LI25M43NF3
180	5.1-6.3	3.5	55	8°	36/Conical	3/7/66	LI25M51NG3
180	3.4-4.6	2.2	1"	8°	36/Conical	–	LI25M34NR3
200	4.3-5.5	3.2	20	8°	36/Conical	–	LI25M43PA3
200	4.7-5.9	3.5	20	8°	36/Conical	–	LI25M47PA3
200	5.4-6.6	3.8	20	8°	36/Conical	–	LI25M54PA3
200	6.1-7.3	4.2	20	8°	36/Conical	–	LI25M61PA3
200	4.3-5.5	3.2	22	8°	36/Conical	–	LI25M43PB3
200	4.3-5.5	3.2	30	8°	36/Conical	2/9/60+2/10/60	LI25M43PC3
200	4.7-5.9	3.5	30	8°	36/Conical	2/9/60	LI25M47PC3
200	4.3-5.5	3.2	45	8°	36/Conical	–	LI25M43PE3
200	4.7-5.9	3.5	45	8°	36/Conical	–	LI25M47PE3
200	5.7-6.9	4	45	8°	36/Conical	–	LI25M57PE3
200	6.1-7.3	4.2	45	8°	36/Conical	–	LI25M61PE3
200	4.3-5.5	3.2	50	8°	36/Conical	2/7/80+3/13/80	LI25M43PF3
200	4.3-5.5	3.2	65	8°	36/Conical	2/9/100+2/9/110	LI25M43PI3
200	4.5-5.7	3	65	8°	36/Conical	2/8.5/110	LI25M45PI3
200	4.7-5.9	3.5	65	8°	36/Conical	2/9/100+2/9/110	LI25M47PI3
200	4.3-5.5	3.2	80	8°	36/Conical	2/14/110	LI25M43PL3
215	4.3-5.5	3.2	50	8°	42/Conical	2/7/80+3/15/80	LI25M43QF3
215	4.5-5.7	3.2	50	8°	42/Conical	3/15/80	LI25M45PF3
215	4.7-5.9	3.5	50	8°	42/Conical		LI25M47QF3
220	4.7-5.9	20	20	8°	36/Conical		LI25M47UA3
220	6.3-7.5	4.4	20	8°	36/Conical	–	LI25M63UA3
250	4.3-5.5	3.2	30	8°	54/Conical	2/10/1960	LI25M43OC3
250	4.3-5.5	3.2	50	6°	48/Conical	3/13/1980	LI25M43OF3
300	4.3-5.5	3.2	30	6°	48/Conical	2/11/1975	LI25M43RC3
300	4.3-5.5	3.2	50	12°	48/Conical	3/15/80	LI25M43RM3
300	4.3-5.5	3.2	65	12°	72/Conical	2/9/110	LI25M43RI3
300	4.3-5.5	3.2	80	12°	72/Conical	2/14/110	LI25M43RL3
320	4.3-5.5	3	45	12°	48/Conical	–	LI25M43SE3
340	4.7-5.9	3.5	45	8°	72/Conical	3/14/65	LI25M47TE3

USE IN



Horizontal
Beam Saws

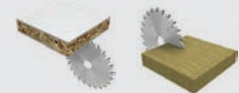
APPLICATION

To score the coating on
bilaminated panels

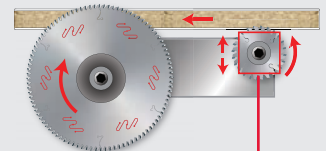
FEATURES

ATB 6° tooth with positive
cutting angle

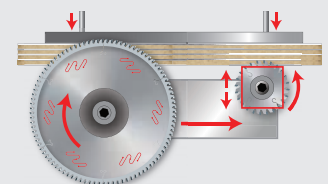
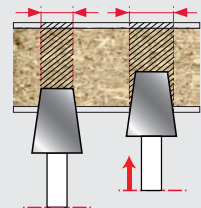
MATERIALS



Double sided
chipboard MDF
chipboard

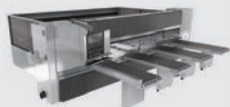


Min. Kerf
of the
scorer
blade Max. Kerf
of the
scorer
blade



PCD SCORING
BLADES

USE IN

Horizontal
Beam Saws

APPLICATION

To score the coating on
bilaminated panels —
extreme longer lifetime

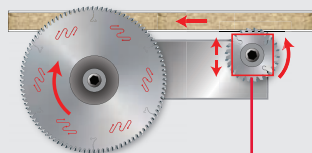
FEATURES

Polycrystalline Diamond
flat tooth with positive
cutting angle

MATERIALS

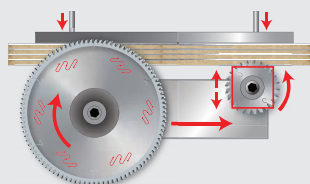
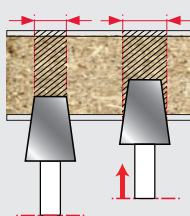
Double sided
chipboard

MDF



Min. Kerf
of the
scorer
blade

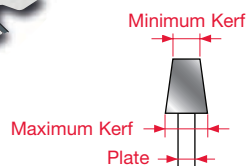
Max. Kerf
of the
scorer
blade

Polycrystalline Diamond
Conical Scoring Blades

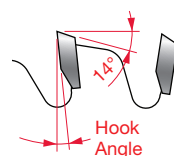
NEW



DLI25M



CONICAL + PCD Tip



POLYCRYSTALLINE DIAMOND CONICAL SCORING SAW BLADE H4

For each 1mm height displacement the cut becomes 0.2mm wider

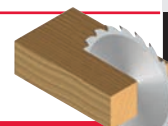
DIA. (mm)	KERF RANGE (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH	MACHINES	ITEM NUMBER
120	2.8-3.6	2.2	20	6°	24/Conical	Schelling	DLI25M28EAH4
120	2.8-3.6	2.2	22	6°	24/Conical		DLI25M28EBH4
120	3.1-3.9	2.2	20	6°	24/Conical		DLI25M31EAH4
125	3.1-3.9	2.2	20	6°	24/Conical	Panhans Schelling	DLI25M31FAH4
180	4.3-5.1	3.2	45	6°	30/Conical	Holzma	DLI25M43NEH4
180	4.7-5.5	3.5	45	6°	30/Conical	Holzma	DLI25M47NEH4
200	4.3-5.1	3.2	65	6°	36/Conical	Selco	DLI25M43PIH4
200	4.3-5.1	3.2	80	6°	36/Conical	Gabbiani	DLI25M43PLH4
200	4.7-5.5	3.5	45	6°	36/Conical	Holzma	DLI25M47PEH4
200	4.7-5.5	3.5	65	6°	36/Conical	Selco	DLI25M47PIH4
215	4.3-5.1	3.2	50	6°	42/Conical	Giben	DLI25M43QFH4

POLYCRYSTALLINE DIAMOND CONICAL SCORING SAW BLADE H6

For each 1mm height displacement the cut becomes 0.15mm wider

DIA. (mm)	KERF RANGE (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH	MACHINES	ITEM NUMBER
120	2.8-3.6	2.2	20	6°	24/Conical	Schelling	DLI25M28EAH6
120	2.8-3.6	2.2	22	6°	24/Conical		DLI25M28EBH6
120	3.1-3.9	2.2	20	6°	24/Conical		DLI25M31EAH6
125	3.1-3.9	2.2	20	6°	24/Conical	Panhans- Schelling	DLI25M31FAH6
180	4.3-5.1	3.2	45	6°	30/Conical	Holzma	DLI25M43NEH6
180	4.7-5.5	3.5	45	6°	30/Conical	Holzma	DLI25M47NEH6
200	4.3-5.1	3.2	65	6°	36/Conical	Selco	DLI25M43PIH6
200	4.3-5.1	3.2	80	6°	36/Conical	Gabbiani	DLI25M43PLH6
200	4.7-5.5	3.5	45	6°	36/Conical	Holzma	DLI25M47PEH6
200	4.7-5.5	3.5	65	6°	36/Conical	Selco	DLI25M47PIH6
215	4.3-5.1	3.2	50	6°	42/Conical	Giben	DLI25M43QFH6

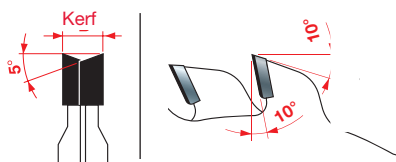
Polycrystalline Diamond Adjustable Conical Scoring Blades



PCD SCORING BLADES



PYRAMID + RAKER Grind



DIA. (mm)	KERF RANGE (mm)	ARBOR (mm)	TEETH	MACHINES	ITEM NUMBER
100	2.8-3.6	20	12+12	Schelling - Panhans - Martin	DLI16MBAH6
120	2.8-3.6	20	12+12	Holzer - SCM	DLI16MAAH6
120	2.8-3.6	22	12+12	Altendorf - Marin - Mzorek	DLI16MABH6

USE IN



Sliding Table Saws

APPLICATION

To score the coating on
bilaminated panels —
extreme longer lifetime

FEATURES

Polycrystalline Diamond
ATB tooth 5° with positive
cutting angle

MATERIALS



Double sided
chipboard

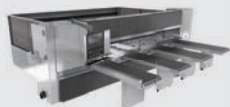
MDF

PANEL SIZING BLADES



Panel Sizing Blades

USE IN



Horizontal
Beam Saws

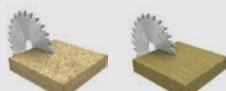
APPLICATION

To size single or
multiple panels

FEATURES

Triple chip tooth with
positive cutting angle

MATERIALS



Chipboard

MDF



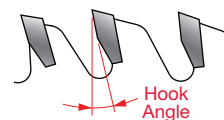
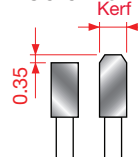
MDF laminated
with melamine
or plastic
materials



Features TiCo™
Hi-Density Carbide



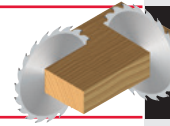
TCG Grind



EXTENDED
LIFE (X)
SERIES

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER	LSBX SERIES
300	4.4	3	30	15°	60/TCG	21956	LSB30001	
300	4.4	3	30	10°	72/TCG	21956	LSB30005	
305	4.4	3	30	10°	60/TCG	21956	LSB30501	
320	4.4	3.2	30	10°	60/TCG	-		LSB32005X
350	4.4	3.2	30	10°	54/TCG	21956	LSB35001	
350	4.4	3.2	30	10°	72/TCG	2/10/60		LSB35003X
355	4.4	3.2	30	10°	72/TCG	2/10/60		LSB35504X
370	4.4	3.2	30	10°	72/TCG	2/10/60	LSB37001	
380	4.4	3.2	30	10°	72/TCG	30355	LSB38011	
400	4.4	3.2	30	10°	48/TCG	-		LSB40001X
400	4.4	3.2	30	15°	60/TCG	21956		LSB40004X
400	4.4	3.2	30	10°	72/TCG	2/10/60		LSB40007X
430	4.4	3.2	30	15°	72/TCG	-		LSB43007X
450	4.4	3.2	30	15°	48/TCG	21955	LSB45001	
450	4.4	3.2	30	10°	72/TCG	21956		LSB45007X
450	4.8	3.5	30	10°	72/TCG	21955	LSB45016	
460	4.4	3.2	30	10°	72/TCG	34378		LSB46001X
480	4.8	3.5	30	10°	72/TCG	21956		LSB48004X
480	4.4	3.2	30	15°	72/TCG	2/10/60 + 2/13/94		LSB48007X
500	4.4	3.2	30	15°	60/TCG	-	LSB50003	
500	4.4	3.2	30	15°	72/TCG	-	LSB50005	
520	4.4	3.2	30	15°	72/TCG	-	LSB50005	
520	4.4		30	15°	72/TCG	-		LSB52008X
530	5.2	3.5	30	15°	60/TCG	-		LSB53001X
550	5.5	3.8	40	15°	60/TCG	2/13/122		LSB53004X
550	5.2	3.2	40	15°	72/TCG	2/13/122		LSB55009X

Panel Sizing Blades



PANEL SIZING BLADES

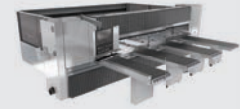
SAW BLADES

CONTINUED

EXTENDED
LIFE (X)
SERIES

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER	LSBX SERIES
620	6.2	4.2	40	18°	60/TCG	2/13/114 + 2/13/140	LSB62001	
620	6.2	4.2	40	15°	72/TCG	2/13/114 + 2/13/140	LSB62002	
680	6.2	4.2	40	18°	60/TCG	2/13/140 + 2/17/140		LSB68001X
720	6.4	4.4	40	18°	60/TCG	4/14/114 + 2/14/140	LSB72001	
670	6.2	4.2	40	18°	60/TCG	2/17/140 + 2/13/140		LSB67003X
670	6.2	4.2	40	15°	72/TCG	2/17/140 + 2/13/140	LSB67004	
320	4.4	3.2	50	10°	60/TCG	3/15/80 + 3/13/95	LSB32004	
350	4.4	3.2	50	10°	72/TCG	4/13/80		LSB35006X
380	4.4	3.2	50	10°	60/TCG	29324	LSB38007	
380	4.4	3.2	50	10°	72/TCG	29324		LSB38008X
400	4.4	3.2	50	10°	72/TCG	2/16/127		LSB40018X
420	4.4	3.2	50	10°	72/TCG	29324		LSB42006X
270	4.2	3	55	15°	60/TCG	-	LSB27001	
300	4.4	3.2	60	15°	72/TCG	2/14/100		LSB30012X
350	4.4	3.2	60	10°	54/TCG	2/14/100	LSB35002	
350	4.4	3.2	60	10°	72/TCG	2/14/100		LSB35004X
380	4.4	3.2	60	10°	60/TCG	2/14/100	LSB38001	
380	4.4	3.2	60	10°	72/TCG	2/14/100		LSB38002X
380	4.8	3.5	60	10°	60/TCG	2/14/100	LSB38003	
380	4.8	3.5	60	10°	72/TCG	2/14/100		LSB38004X
380	4.8	3.5	60	10°	84/TCG	2/14/100		LSB38005X
400	4.8	3.5	60	10°	72/TCG	-	LSB40013	
420	4.8	3.5	60	15°	60/TCG	2/14/125	LSB42001	
420	4.8	3.5	60	10°	84/TCG	2/14/100 + 2/14/125		LSB42002X
450	4.4	3.2	60	15°	48/TCG	2/14/125	LSB45002	
450	4.4	3.2	60	15°	60/TCG	2/14/125	LSB45005	
450	4.4	3.2	60	10°	72/TCG	2/14/125		LSB45008X
450	4.8	3.5	60	10°	72/TCG	2/14/125 + 2/17/100		LSB45017X
450	4.8	3.5	60	10°	84/TCG	2/14/125	LSB45019	
500	4.8	3.5	60	15°	60/TCG	2/11/115		LSB50009X
500	4.8	3.5	60	15°	72/TCG	2/11/115		LSB50011X
520	4.8	3.5	60	15°	60/TCG	2/9/120 + 2/11/115	LSB52002	
520	4.8	3.5	60	15°	72/TCG	2/9/120 + 2/11/115		LSB52003X
530	5.8	4	60	15°	60/TCG	31058	LSB53002	
540	4.8	3.5	60	15°	60/TCG	2/19/120 + 2/11/115	LSB54002	
540	4.8	3.5	60	15°	72/TCG	2/19/120 + 2/11/115	LSB54003	
550	5.2	3.5	60	15°	60/TCG	-		LSB55002X
570	4.8	3.5	60	15°	60/TCG	-		LSB57001X
600	5.8	4	60	15°	60/TCG	2/11/115 + 2/19/120	LSB60001	LSB60001X
600	5.8	4	60	15°	72/TCG	2/11/115 + 2/19/120		LSB60002X
670	5.8	4.2	60	18°	60/TCG	2/19/120 + 2/11/148	LSB67001	
670	6.2	4.2	40	18°	60/TCG	2/13/140	LSB67003	
670	5.8	4.2	60	15°	72/TCG	2/19/120 + 2/11/148	LSB67002	

USE IN



Horizontal
Beam Saws

APPLICATION

To size single or
multiple panels.

FEATURES

Triple chip tooth with
positive cutting angle.

MATERIALS



Chipboard

MDF



MDF laminated
with melamine
or plastic
materials

PANEL SIZING BLADES



Panel Sizing Blades

CONTINUED

USE IN



Horizontal
Beam Saws

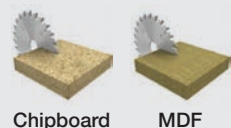
APPLICATION

To size single or
multiple panels

FEATURES

Triple chip tooth with
positive cutting angle

MATERIALS



Chipboard

MDF



MDF laminated
with melamine
or plastic
materials

EXTENDED
LIFE (X)
SERIES

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER	LSBX SERIES
680	6.2	4.2	40	18°	60/TCG	2/13/140 + 2/7/140	LSB68001	
730	6.2	4.2	60	18°	60/TCG	2/11/148 + 2/19/120	LSB73001	
300	4.4	3	65	10°	60/TCG	2/9/110	LSB30002	
300	4.4	3	65	10°	60/TCG	2/9/110		LSB30002X
300	4.4	3	65	10°	72/TCG	2/9/110		LSB30006X
320	4.4	3.2	65	10°	72/TCG	2/9/110		LSB32001X
320	4.4	3.2	65	10°	60/TCG	2/9/110		LSB32003X
355	4.4	3.2	65	10°	72/TCG	2/9/110		LSB35508X
360	4.4	3.2	65	10°	72/TCG	2/9/110	LSB36002	
380	4.4	3.2	65	10°	72/TCG	2/9/110		LSB38014X
400	4.6	3.2	65	10°	72/TCG	2/9/110		LSB40016X
430	4.4	3.2	65	10°	72/TCG	2/9/110		LSB43012X
430	4.4	3.5	70	10°	72/TCG	4/11/130		LSB43013X
470	4.8	3.2	70	10°	72/TCG	4/11/130		LSB47005X
520	4.8	3.5	70	18°	72/TCG	4/11/130		LSB52006X
300	4.4	3	75	10°	60/TCG	-	LSB30003	
300	4.4	3	75	10°	72/TCG	-	LSB30007	
320	4.4	3.2	75	10°	72/TCG	3/13/19		LSB32002X
350	4.4	3.2	75	10°	72/TCG	-		LSB35008X
355	4.4	3.2	75	10°	54/TCG	-	LSB35502	
355	4.4	3.2	75	10°	72/TCG	4/15/105		LSB35505X
380	4.4	3.2	75	10°	72/TCG	2/14/100	LSB38012	
400	4.4	3.2	75	15°	60/TCG	4/15/105		LSB40005X
400	4.4	3.2	75	10°	72/TCG	4/15/105		LSB40008X
430	4.4	3.2	75	15°	60/TCG	4/15/105	LSB43005	
430	4.4	3.2	75	10°	72/TCG	4/15/105		LSB43008X
430	4.4	3.2	75	10°	96/TCG	4/15/105		LSB43010X
460	4.4	3.2	75	10°	72/TCG	2/9/110		LSB46002X
470	4.4	3.2	75	15°	60/TCG	4/15/105	LSB47002	
470	4.4	3.2	75	10°	72/TCG	4/15/105		LSB47003X
470	4.4	3.2	75	10°	96/TCG	4/15/105		LSB47004X
500	4.8	3.5	75	15°	60/TCG	4/15/105		LSB50010X
500	4.8	3.5	75	15°	72/TCG	4/15/105	LSB50012	
530	4.8	3.2	75	15°	72/TCG	2/14/100		LSB53004X
300	4.4	3	80	10°	60/TCG	2/14/110 + 4/9/100		LSB30004X
300	4.4	3	80	10°	72/TCG	2/14/110 + 4/9/100		LSB30008X
320	4.4	3.2	80	10°	60/TCG	4/9/100 + 2/9/110 +2/14/110	LSB32006	
350	4.4	3.2	80	10°	72/TCG	4/9/100 + 2/9/110 + 2/14/110		LSB35005X
355	4.4	3.2	80	10°	54/TCG	4/9/100 + 2/9/110 + 2/14/110		LSB35503X
355	4.4	3.2	80	10°	72/TCG	4/9/100 + 2/9/110 + 2/14/110		LSB35506X
380	4.4	3.2	80	10°	48/TCG	4/9/100 + 2/9/110 + 2/14/110		LSB38009X
380	4.4	3.2	80	10°	72/TCG	4/9/100 + 2/9/110 + 2/14/110	LSB38010	

Panel Sizing Blades

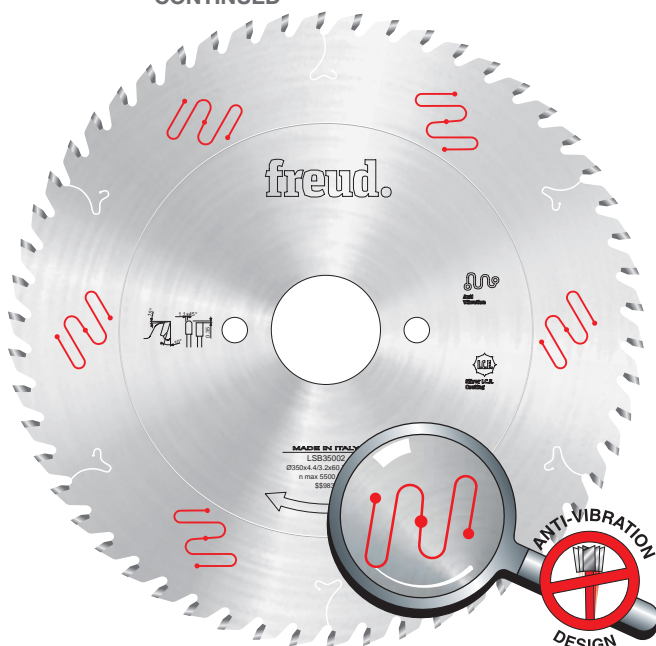
PANEL SIZING
BLADES

CONTINUED

Life
Hi-Density Carbide
freud.

Features TiCo™
Hi-Density Carbide

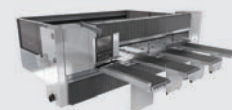
SILVER
ICE
COATING



EXTENDED
LIFE (X)
SERIES

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER	LSBX SERIES
380	4.4	3.2	80	10°	96/TCG	4/9/100 + 2/9/110 + 2/14/110	LSB38013	
380	4.4	3.2	80	10°	72/TCG	4/9/100 + 2/9/110 + 2/14/110		LSB39001X
400	4.4	3.2	80	15°	60/TCG	4/19/120 + 2/9/130	LSB40006	
400	4.4	3.2	80	10°	72/TCG	4/19/120 + 2/9/130		LSB40009X
400	4.4	3.2	80	15°	60/TCG	4/9/100 + 2/9/110 + 2/4/110		LSB40011X
400	4.4	3.2	80	15°	72/TCG	4/9/100 + 2/9/110 + 2/4/110		LSB40012X
420	4.4	3.5	80	15°	72/TCG	2/9/130 + 4/19/120 + 2/14/110		LSB42005X
430	4.4	3.2	80	15°	60/TCG	2/9/130 +4/19/120 + 2/14/110	LSB43006	
430	4.4	3.2	80	10°	72/TCG	2/9/130 + 4/19/120 + 2/14/110		LSB43009X
450	4.4	3.2	80	10°	60/TCG	2/9/130 + 4/19/120 +2/14/110	LSB45006	
450	4.4	3.2	80	10°	72/TCG	2/9/130 + 4/19/120 + 2/14/110	LSB45009	
450	4.8	3.5	80	10°	72/TCG	2/9/130 + 4/19/120	LSB45018	
480	4.8	3.5	80	10°	72/TCG	2/9/130 + 4/19/120		LSB48001X
480	4.8	3.5	80	15°	60/TCG	2/9/130 + 4/19/120		LSB48003X

USE IN



Horizontal
Beam Saws

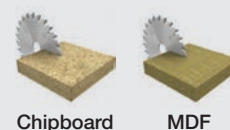
APPLICATION

To size single or
multiple panels

FEATURES

Triple chip tooth with
positive cutting angle

MATERIALS



Chipboard

MDF



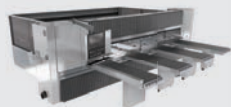
MDF laminated
with melamine
or plastic
materials

PANEL SIZING BLADES



Panel Sizing Blades

USE IN



Horizontal
Beam Saws

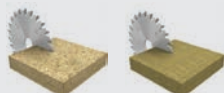
APPLICATION

To size single or
multiple panels

FEATURES

Triple chip tooth with
positive cutting angle

MATERIALS



Chipboard

MDF



MDF laminated
with melamine
or plastic
materials

CONTINUED

EXTENDED
LIFE (X)
SERIES

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER	LSBX SERIES
510	4.8	3.5	80	15°	72/TCG	2/9/130 + 4/19/120	LSB51001	
550	4.8	3.5	80	15°	60/TCG	2/9/130 + 4/19/120		LSB51001X
550	5.2	3.5	80	15°	60/TCG	2/14/110		LSB55006X
700	6.2	4.2	80	18°	60/TCG	2/17/110	LSB70001	
530	5.2	3.5	100	15°	60/TCG	-		LSB53003X
565	5.2	3.5	100	15°	60/TCG	-		LSB56502X
670	6.2	4.2	40	18°	60/TCG	2/17/140 + 2/13/140		LSB67003X
670	6.2	4.2	40	15°	72/TCG	2/17/140 + 2/13/140	LSB67004	
680	6.2	4.2	40	18°	60/TCG	2/13/140 + 2/17/140		LSB68001X
700	6.2	4.2	80	18°	60/TCG	2/17/110	LSB70001	
720	6.4	4.4	40	18°	60/TCG	4/14/114 + 2/14/140	LSB72001	
730	6.2	4.2	60	18°	60/TCG	2/11/148 + 2/19/120	LSB73001	

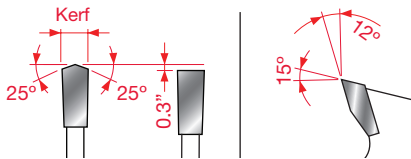
Industrial Panel Sizing Blades

PANEL SIZING BLADES

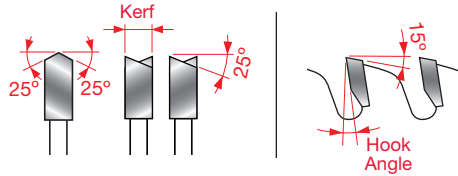
SAW BLADES



PYRAMID + RAKER Grind



PYRAMID 4+1 Grind



DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	ITEM NUMBER
355 (14")	4 (.157")	3	2"	12°	90/PYR+RKR	LCL7M10062
355 (14")	4 (.157")	3	1"	12°	90/PYR+RKR	LCL7M10063
355 (14")	4.8 (.189")	3.5	2"	10°	90/PYR 4+1	LCL7M10064
355 (14")	4.8 (.189")	3.5	1"	10°	90/PYR 4+1	LCL7M10071
395 (14-1/2")	4.8 (.189")	3.5	2"	10°	90/PYR 4+1	LCL7M10065

USE IN



End Trimming

APPLICATION

To size single or multiple panels

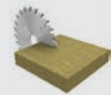
FEATURES

Specially designed for smooth cuts with Pyramid grind technology for increased life and smooth cuts

MATERIALS



Plywood



MDF



Particle Board



Hard and Soft Wood Composite

PANEL SIZING BLADES



Sliding & Vertical Panel Sizing Blades

USE IN



Table Saws

Vertical
Panel Saws

Miter Saws



Sliding Table Saws

APPLICATION

To size bilaminated panels, with perfect finish on both sides without use of the scoring saw blade

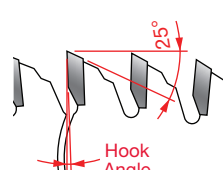
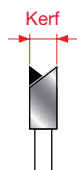
FEATURES

ATB 38° tooth, with variable cutting angle according to the diameter

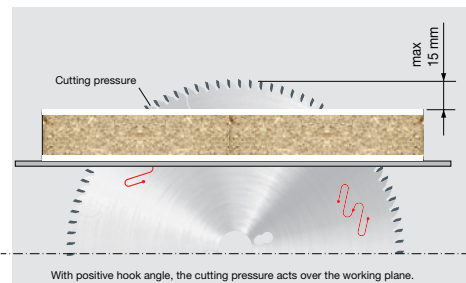
MATERIALS

Veneered
PlywoodDouble sided
melamine,
laminates

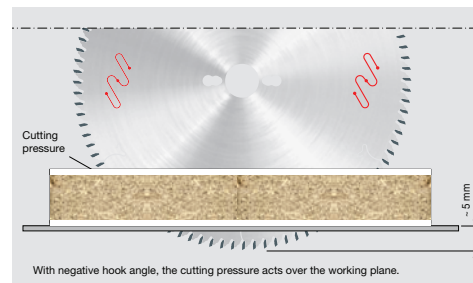
HI-ATB Grind



Working with spindle under the working plane

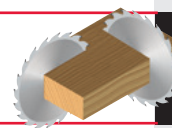


Working with spindle over the working plane



DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER
220	3.2	2.2	30	-5°	64/Hi ATB	2/7/42	LU3A01
250	3.2	2.2	30	-2°	80/Hi ATB	2/7/42 + 2/9/46.4 + 2/10/60	LU3A02
250 (10")	3.2 (.126")	2.2 (.087")	15.88 (5/8")	-2°	80/Hi ATB	—	LU3A0203
300	3.2	2.2	30	2°	96/Hi ATB	2/7/42 + 2/9/46.4 + 2/10/60	LU3A03
350	3.5	2.5	30	5°	108/Hi ATB	2/9/46.4 + 2/10/60	LU3A04
300 (12")	3.2 (.126")	2.2 (.087")	25.4 (1")	2°	96/Hi-ATB	—	LU3A06

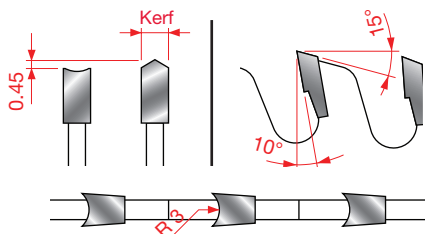
Sliding & Vertical Panel Sizing Blades

PANEL SIZING
BLADES

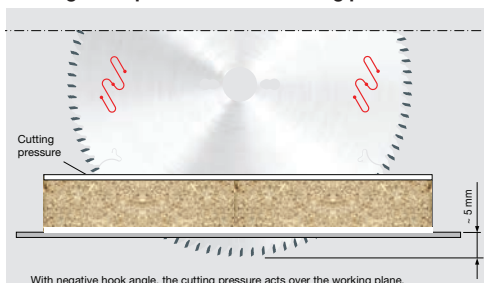
CONTINUED

Features TiCo™
Hi-Density Carbide

PYRAMID + HALLOW Grind



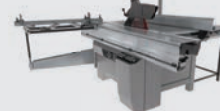
Working with spindle over the working plane



With negative hook angle, the cutting pressure acts over the working plane.

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER
220	3.2	2.2	30	10°	42/HG	2/7/42	LU3B01
250	3.2	2.2	30	10°	48/HG	2/7/42 + 2/9/46.4 + 2/10/60	LU3B02
303	3.2	2.2	30	10°	60/HG	2/7/42 + 2/9/46.4 + 2/10/60	LU3B03
350	3.2	2.2	30	10°	72/HG	2/7/42 + 2/9/46.4 + 2/10/60	LU3B04

USE IN

Vertical
Panel Saws

Sliding Table Saws

APPLICATION

To size double sided
panels without use of
the scoring saw blade

FEATURES

Pyramid with Hollow
Face Grind and positive
cutting angle

MATERIALS

Double
sided
plywood
veneersDouble
sided
laminatesDouble
sided
melamine

PANEL SIZING BLADES



Sliding & Vertical Panel Sizing Blades

USE IN



Vertical
Panel Saws



Sliding Table Saws

APPLICATION

To size double sided panels without use of the scoring saw blade, up to 40 mm thick

FEATURES

Flat-triple chip tooth with negative cutting angle

MATERIALS



Double
sided
plywood
veneers



Double
sided
laminates



Double
sided
melamine

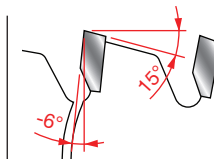
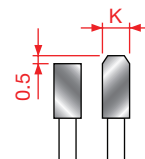
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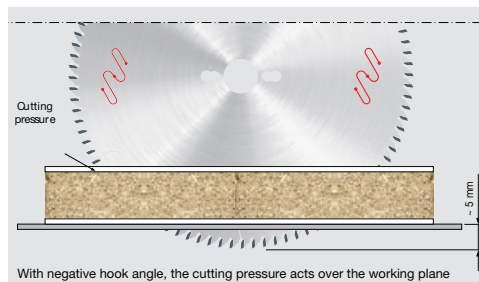
Features TiCo™
Hi-Density Carbide



FLAT + TCG Grind

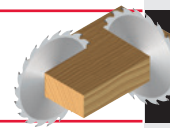


Working with spindle over the working plane



DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER
220	3.2	2.2	30	-6°	56/TCG	2/7/42	LU3E01
250	3.2	2.2	30	-6°	60/TCG	2/7/42 + 2/9/46.4 + 2/10/60	LU3E02
300	3.2	2.2	30	-6°	72/TCG	2/7/42 + 2/9/46.4 + 2/10/60	LU3E03
350	3.5	2.5	30	-6°	84/TCG	2/9/46.4 + 2/10/60	LU3E04

Sliding & Vertical Panel Sizing Blades

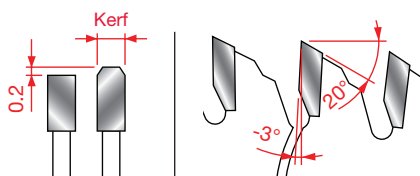


PANEL SIZING BLADES

CONTINUED

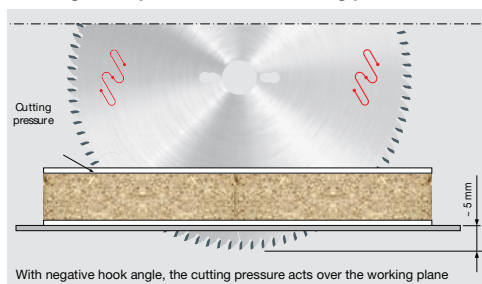


FLAT + TCG Grind



No Scorer Required

Working with spindle over the working plane



With negative hook angle, the cutting pressure acts over the working plane

USE IN



Vertical Panel Saws



Sliding Table Saws

APPLICATION

To size double sided panels without use of the scoring saw blade

FEATURES

Flat-triple chip tooth with negative cutting angle

MATERIALS



Double sided plywood veneers



Double sided laminates



Plastic



Solid surface

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER
220	3.2	2.2	30	-3°	64/TCG	2/7/42	LU3F01
250	3.2	2.2	30	-3°	80/TCG	2/7/42 + 2/9/46.4 + 2/10/60	LU3F02
300	3.2	2.2	30	-3°	96/TCG	2/7/42 + 2/9/46.4 + 2/10/60	LU3F03
350	3.5	2.5	30	-3°	108/TCG	2/9/46.4 + 2/10/60	LU3F04

PANEL SIZING BLADES



Vertical Panel Sizing Blades

USE IN



Vertical
Panel Saws



Sliding Table Saws

APPLICATION

To size double sided panels without use of the scoring saw blade

FEATURES

Pyramid with Hollow Face Grind and negative cutting angle

MATERIALS



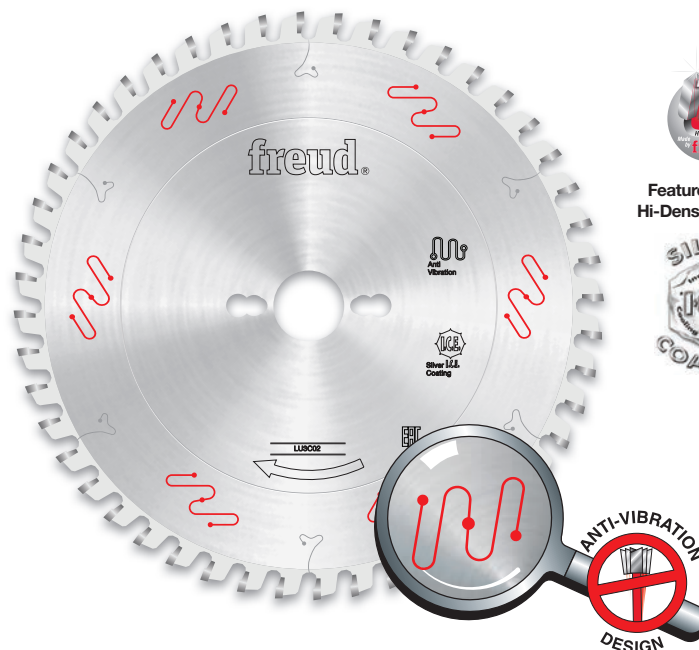
Double
sided
plywood
veneers



Double
sided
laminates



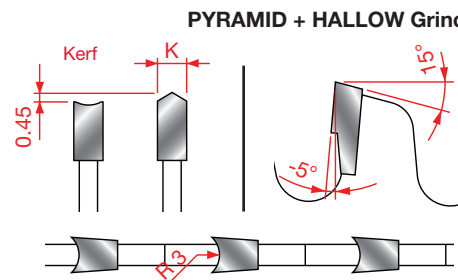
Double
sided
melamine



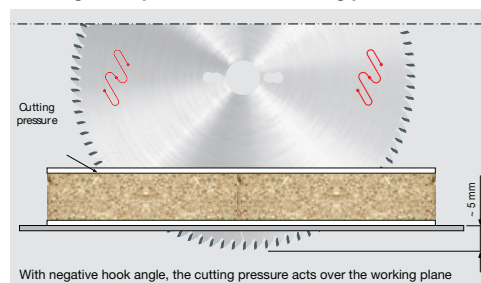
Features TiCo™
Hi-Density Carbide



No Scorer Required



Working with spinda over the working plane



With negative hook angle, the cutting pressure acts over the working plane

DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER
220	3.2	2.2	30	-5°	42/HG	2/7/42	LU3C01
250	3.2	2.2	30	-5°	48/HG	2/7/42 + 2/9/46.4 + 2/10/60	LU3C02
303	3.2	2.2	30	-5°	60/HG	2/7/42 + 2/9/46.4 + 2/10/60	LU3C03
350	3.2	2.2	30	-5°	72/HG	2/7/42 + 2/9/46.4 + 2/10/60	LU3C04

Sliding Panel Sizing Blades

PANEL SIZING
BLADES

USE IN



Sliding Table Saws

APPLICATION

To size double sided panels with use of the scoring saw blade

FEATURES

Flat-triple chip tooth with positive cutting angle

MATERIALS



Double sided plywood veneers

Double sided laminates



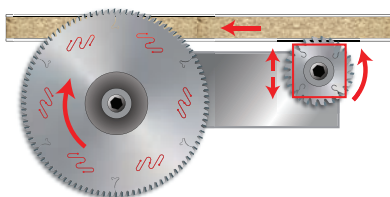
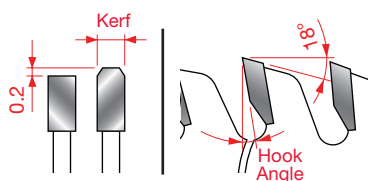
Double sided melamine



Features TiCo™
Hi-Density Carbide



FLAT + TCG Grind



DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER
220	3.2	2.2	30	5°	64/TCG	2/7/42	LU3D02
250	3.2	2.2	30	5°	80/TCG	2/7/42 + 2/9/46.4 + 2/10/60	LU3D04
300	3.2	2.2	30	5°	96/TCG	2/7/42 + 2/9/46.4 + 2/10/60	LU3D06
250	3.2	2.2	30	10°	60/TCG	2/7/42 + 2/9/46.4 + 2/10/60	LU3D11
300	3.2	2.2	30	10°	96/TCG	2/7/42 + 2/9/46.4 + 2/10/60	LU3D15
350	3.5	2.5	30	10°	108/TCG	2/9/46.4 + 2/10/60	LU3D17
350	3.5	2.5	30	10°	72/TCG	2/9/46.4 + 2/10/60	LU3D20
300	3.2	2.2	30	10°	72/TCG	2/7/42 + 2/9/46.4 + 2/10/60	LU3D21
300	3.2	2.2	35	5°	96/TCG	—	LU3D07
350	3.5	2.5	30	5°	108/TCG	2/9/46.4 + 2/10/60	LU3D09
300	3.2	2.2	30	10°	84/TCG	2/7/42 + 2/9/46.4 + 2/10/60	LU3D13

MACHINE REFERENCE

Sliding & Vertical Panel Sizing Blades

Page 58

Vertical Panel Sizing Blades

Page 60

Vertical Panel Sizing Blades

Page 62

Industrial Machine Reference

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Holz-Her	220	30	2/7/42	LU3A01
Striebig, Holz-Her, Altendorf, Felder, Casolin, Martin	250	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3A02
Traditional Industrial Table Saws	250(10")	15.88(5/8")	–	LU3A0203
Striebig, Elcon	300	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3A03
Altendorf, Felder, Casolin, Martin	350	30	2/9/46.4 + 2/10/60	LU3A04
Miter Saw	300(12")	25.4(1")	–	LU3A06

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Holz-Her	220	30	2/7/42	LU3B01
Striebig, Holz-Her	250	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3B02
Striebig, Elcon	303	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3B03
–	350	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3B04

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Holz-Her	220	30	2/7/42	LU3C01
Striebig, Holz-Her	250	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3C02
Striebig, Elcon	303	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3C03
Striebig, Elcon	350	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3C04

Industrial Machine Reference

CONTINUED

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Holz-Her	220	30	2/7/42	LU3D02
Striebig, Holz-Her	250	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3D04
Striebig	300	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3D06
Altendorf, Felder, Casolin, Martin	250	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3D11
Altendorf, Felder, Casolin, Martin	300	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3D15
Altendorf, Felder, Casolin, Martin	350	30	2/9/46.4 + 2/10/60	LU3D17
Altendorf, Felder, Casolin, Martin	350	30	2/9/46.4 + 2/10/60	LU3D20
Altendorf, Felder, Casolin, Martin	300	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3D21
–	300	35	–	LU3D07
–	350	30	2/9/46.4 + 2/10/60	LU3D09
–	300	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3D13

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Holz-Her	220	30	2/7/42	LU3E01
Altendorf, Felder, Casolin, Martin	250	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3E02
Altendorf, Felder, Casolin, Martin	300	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3E03
Altendorf, Felder, Casolin, Martin	350	30	2/9/46.4 + 2/10/60	LU3E04

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Holz-Her	220	30	2/7/42	LU3F01
Altendorf, Felder, Casolin, Martin, Striebig, Holz-Her	250	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3F02
Altendorf, Felder, Casolin, Martin, Striebig, Elcon	300	30	2/7/42 + 2/9/46.4 + 2/10/60	LU3F03
Altendorf, Felder, Casolin, Martin	350	30	2/9/46.4 + 2/10/60	LU3F04

MACHINE REFERENCE

Horizontal Panel Sizing Blades

Page 63

Horizontal & Vertical Panel Sizing Blades

Page 64

Horizontal & Vertical Panel Sizing Blades

Page 65

MACHINE REFERENCE

Industrial Crosscutting Blades

Page 44

Industrial Panel Sizing Blades

Page 47

Industrial Solid Countertop Blades

Page 34

Industrial Glue Line Rip Blades

Page 42

Industrial Glue Line Rip Blades For Gang Ripping

Page 42

Industrial Machine Reference

CONTINUED

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Double Miter Pistorius, CTD, Others	305 (12")	5/8"	–	LCL12108NFP
Miter Saw	305 (12")	25.4 (1")	–	LCL129001UM
Double Miter Pistorius, CTD, Others	305 (12")	15.88 (5/8")	–	LCL129002PM
Double Miter Pistorius, CTD, Others	305 (12")	15.88 (5/8")	–	LCL7M10045
Double Miter Pistorius, CTD, Others	350 (12")	15.88 (5/8")	–	LCL7M10047

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Globe, Progressive, Others	355 (14")	2"	–	LCL7M10062
Others	355 (14")	1"	–	LCL7M10063
Globe, Progressive, Others	355 (14")	2"	–	LCL7M10064
Others	355 (14")	1"	–	LCL7M10071
Globe, Progressive, Others	395 (14-1/2")	2"	–	LCL7M10065

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Counter Top Radial Arm saws	355 (14")	1"	–	LCL7M10016
Counter Top Radial Arm saws	355 (14")	1"	–	LCL7M10023
Counter Top Radial Arm saws	406 (16")	1"	–	LCL7M10014
Counter Top Radial Arm saws	406 (16")	1"	–	LCL7M10015

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Table Saws	305 (12")	1"	–	LCL7M10004
Diehl Rip Machines	355 (14")	2"	1/9/16"/5"	LCL7M10009
Table Saws	305 (12")	1"	–	LCL7M10012
Table Saws	355 (14")	1"	2/13/100 + 4/6.6/94.6 ch (2) 18.5 x 4.7	LCL7M10013

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Raimann Gang Rip	300	80mm	2/13/100 + 4/6.6/95 + DKW 18.5x4.0	LCL7M10073
Raimann Gang Rip	300	80mm	2/13/100 + 4/6.6/95 + DKW 18.5x4.1	LCL7M10075
Raimann Gang Rip	300	80mm	2/13/100 + 4/6.6/95 + DKW 18.5x4.2	LCL7M10038
Raimann Gang Rip	300	80mm	2/13/100 + 4/6.6/95 + DKW 18.5x4.3	LCL7M10072
Raimann Gang Rip	300	80mm	2/13/100 + 4/6.6/95 + DKW 18.5x4.4	LCL7M10074
Mareen-Johnson Gang Rip	305 (12")	3-1/8"	DKW 6.75x3.573, DKW 13x7	LCL7M10005
Mareen-Johnson Gang Rip	305 (12")	3-1/8"	DKW 6.75x3.573, DKW 13x8	LCL7M10007
SCM M3 Gang Rip	305 (12")	70mm	DKW 21x5	LCL7M10008
SCM M3 Gang Rip	355 (14")	70mm	DKW 21x5	LCL7M10011
Mareen-Johnson	355 (14")	3 1/8"	DKW 6.75x3.573, DKW 13x7	LCL7M10010

Industrial Machine Reference

CONTINUED

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Holz-Her, Vertical & Sliding Table	220	30	2/7/42 + 2/9/46.4 + 2/10/60	LCL7M10017
Table Saws	254 (10")	1"	–	LCL7M10018
Striebig, Holz-Her, Vertical & Sliding Table	250	30	2/7/42 + 2/9/46.4 + 2/10/60	LU4D01
Striebig, Elcon, Vertical & Sliding Table	300	30	2/7/42 + 2/9/46.4 + 2/10/60	LU4D02
Vertical & Sliding Table	350	30	2/7/42 + 2/9/46.4 + 2/10/60	LU4D03
Table Saws	305 (12")	1"	–	LCL7M10022

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Pendu	254 (10")	2-3/8"	10+2+2	LCL7M10052
Brewer	254 (10")	2-15/16"	10+2+2	LCL7M10067
Pendu	254 (10")	2-3/8"	10+2+2	LCL7M10056
Brewer	254 (10")	2 -15/16"	10+2+2	LCL7M10068
Pendu	305 (12")	2-3/8"	10+2+2	LCL7M10057
Brewer	305 (12")	2 -15/16"	10+2+2	LCL7M10069
Hazelthorn	305 (12")	2"	10+2+2	LCL7M10059
Pendu	305 (12")	2-3/8"	10+2+2	LCL7M10058
Brewer	305 (12")	2 -15/16"	10+2+2	LCL7M10070
Pendu	355 (14")	2-3/8"	10+2+2	LCL7M10060
Hazelthorn	355 (14")	2"	10+2+2	LCL7M10061

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Holz-Her, SCMI	120	20	–	LI16MAA3
Altendorf, Martin, Panhans	120	22	–	LI16MAB3
SCMI	120	3/4"	–	LI16MAC3
Schelling	100	20	–	LI16MBA3
Altendorf, Martin, Panhans	100	22	–	LI16MBB3
SCMI, Delta	100	3/4"	–	LI16MBC3
Felder, Casadei, Minimax	80	20	–	LI16MGA3
Altendorf, SCMI, Griggio-RAPIDO	120	50	Shimless (for RAPIDO)	LI16MPF3
Felder	120	50	-	LI16MRF3

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Martin	125	22	–	LI25M31FB3
Giben, Homag	125	45	–	LI25M43FE3
Giben, Homag	125	45	–	LI25M45FE3
SCM	150	30	–	LI25M31KC3
SCM	150	30	–	LI25M34KC3
SCM	150	30	–	LI25M43KC3
SCM, Holzma, Homag	150	45	–	LI25M43KE3
SCM, Holzma, Homag	150	45	–	LI25M45KE3
Giben	160	45	3/11/70	LI25M43LE3
Gabbiani, SCM	160	55	3/6/84+3/7/66	LI25M43LG3
Gabbiani, SCM	160	55	3/7/66+3/9/84	LI25M45LG3
Anthon, Holzma	180	20	–	LI25M57NA3
Panhas, Holzer	180	30	2/7/42+2/10/60	LI25M43NC3
Holzer, Nanxing, KDT	180	30	2/10/60+2/7/42	LI25M43XN3
Holzma	180	45	–	LI25M43NE3

MACHINE REFERENCE

Specialty Blades for Cutting Non-Ferrous/ Plastics/Corian

Page 35

Pallet & Lumber Ripping Blades

Page 43

Adjustable Scoring Blades for Sliding Table Saws

Page 45

Conical Scoring Blades for Horizontal Beam Saws

Page 48-49

MACHINE REFERENCE

Conical Scoring Blades for Horizontal Beam Saws

Page 48-49

Panel Sizing Blades for Horizontal Beam Saws

Page 52-56

Industrial Machine Reference

CONTINUED

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Holzma	180	45	–	LI25M47NE3
Giben	180	50	3/13/80	LI25M43NF3
Gabbiani	180	55	3/7/66	LI25M51NG3
Schelling	200	20	–	LI25M43PA3
Schelling	200	20	–	LI25M47PA3
Schelling	200	20	–	LI25M54PA3
Schelling	200	20	–	LI25M61PA3
Scheer	200	30	2/9/60+2/10/60	LI25M43PC3
Scheer	200	30	2/9/60	LI25M47PC3
Holzma	200	45	–	LI25M43PE3
Holzma	200	45	–	LI25M47PE3
Holzma	200	45	–	LI25M57PE3
Holzma	200	45	–	LI25M61PE3
Giben	200	50	2/7/80+3/13/80	LI25M43PF3
Selco	200	65	2/9/100+2/9/110	LI25M43PI3
Selco	200	65	2/8.5/110	LI25M45PI3
Selco	200	65	2/9/100+2/9/110	LI25M47PI3
Gabbiani	200	80	2/14/110	LI25M43PL3
Giben	215	50	2/7/80+3/15/80	LI25M43QF3
Giben	215	50	3/15/80	LI25M45PF3
Giben	215	50		LI25M47QF3
Schelling	220	20		LI25M47UA3
Schelling	220	20	–	LI25M63UA3
Giben	250	50	3/13/80	LI25M43OF3
Schelling	300	30	2/11/75	LI25M43RC3
Giben	300	50	3/15/80	LI25M43RM3
Selco	300	65	2/9/110	LI25M43RI3
Holzma	340	45	3/14/65	LI25M47TE3

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Panhas	300	30	21956	LSB30001
Panhas	300	30	21956	LSB30005
Mayer, Panhas, SCM	305	30	21956	LSB30501
Panhas, Scheer	350	30	21956	LSB35001
Panhas, Scheer	350	30	2/10/60	LSB35003X
Panhas, SCM	355	30	2/10/60	LSB35504X
Schelling	370	30	2/10/60	LSB37001
Scheer	400	30	2/10/60	LSB40007X
Mayer, Panhas, Scheer	450	30	21955	LSB45001
Mayer, Panhas, SCM	450	30	21956	LSB45004
Mayer, Panhas, Scheer	450	30	21956	LSB45007X
Scheer	450	30	21955	LSB45016
Schelling	460	30	34378	LSB46001X
Schelling	480	30	21956	LSB48004X
Schelling	500	30	–	LSB50003
Schelling	500	30	–	LSB50005
Schelling	520	30	2/13/94	LSB52005
Schelling	530	30	–	LSB53001X
Schelling	620	40	2/13/114 + 2/13/140	LSB62001

Industrial Machine Reference

MACHINE REFERENCE

SAW BLADES

CONTINUED

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Schelling	620	40	2/13/114 + 2/13/140	LSB62002
Schelling	680	40	2/13/140 + 2/17/140	LSB68001
Schelling	720	40	4/14/114 + 2/14/140	LSB72001
Schelling	670	40	2/17/140 + 2/13/140	LSB67003X
Schelling	670	40	2/17/140 + 2/13/140	LSB67004
Giben	400	75	4/15/105	LSB40002
Giben	320	50	3/15/80 + 3/13/95	LSB32004
Gabbiani	350	50	4/13/80	LSB35006X
Giben	380	50	29324	LSB38007
Giben	380	50	29324	LSB38008X
Giben	400	50	2/16/127	LSB38008X
Selco	420	50	29324	LSB42006X
SCM	250	55	-	LSB25001
Holzma	350	60	2/14/100	LSB35002
Holzma	350	60	2/14/100	LSB35004X
Holzma	380	60	2/14/100	LSB38001
Holzma	380	60	2/14/100	LSB38002X
Holzma	380	60	2/14/100	LSB38003
Holzma	380	60	2/14/100	LSB38004X
Holzma	380	60	2/14/100	LSB38005X
Holzma	400	60	-	LSB40013
Holzma	420	60	2/14/125	LSB42001
Holzma	420	60	2/14/100 + 2/14/125	LSB42002X
Holzma	450	60	2/14/125	LSB45002
Holzma	450	60	2/14/125	LSB45005
Holzma	450	60	2/14/125	LSB45008X
Holzma	450	60	2/14/125 + 2/17/100	LSB45017X
Holzma	450	60	2/14/125	LSB45019
Holzma	500	60	2/11/115	LSB50007
Holzma	500	60	2/11/115	LSB50009X
Holzma	500	60	2/11/115	LSB50011X
Holzma	520	60	2/9/120 + 2/11/115	LSB52002
Holzma	520	60	2/9/120 + 2/11/115	LSB52003X
Holzma	530	60	31058	LSB53002
Holzma	540	60	2/19/120 + 2/11/115	LSB54002
Holzma	540	60	2/19/120 + 2/11/115	LSB54003
Holzma	550	60	-	LSB55002X
Holzma	570	60	-	LSB57001X
Holzma	600	60	2/11/115 + 2/19/120	LSB60001X
Holzma	600	60	2/11/115 + 2/19/120	LSB60002X
Holzma	670	60	2/19/120 + 2/11/148	LSB67001
Holzma	730	60	2/11/148 + 2/19/120	LSB73001
Holzma	670	60	2/19/120 + 2/11/148	LSB67002
Selco	300	65	2/9/110	LSB30002X
Selco	300	65	2/9/110	LSB30006X
Selco	320	65	2/9/110	LSB32001X
Selco	320	65	2/9/110	LSB32003X
Selco	355	65	2/9/110	LSB35508X
Selco	360	65	2/9/110	LSB36001

MACHINE
REFERENCE

Industrial Machine Reference

CONTINUED

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Selco	360	65	2/9/110	LSB36002
Selco	380	65	2/9/110	LSB38014X
Selco	400	65	2/9/110	LSB40016X
Selco	430	65	2/9/110	LSB43012X
Selco	430	70	4/11/130	LSB43013X
Selco	470	70	4/11/130	LSB47005X
Selco	520	70	4/11/130	LSB52006X
Giben	300	75	-	LSB30003
Giben	300	75	-	LSB30007
Giben	320	75	3/13/19	LSB32002X
Giben	350	75	-	LSB35008X
Giben	355	75	-	LSB35502
Giben	355	75	4/15/105	LSB35505X
Giben	355	75	-	LSB35507
Holzma	380	75	2/14/100	LSB38012
Giben, Homag	400	75	4/15/105	LSB40005X
Giben, Homag	400	75	4/15/105	LSB40008X
Giben	430	75	4/15/105	LSB43002
Giben	430	75	4/15/105	LSB43005
Giben	430	75	4/15/105	LSB43008X
Giben	430	75	4/15/105	LSB43010X
Giben	460	75	2/9/110	LSB46002X
Giben	470	75	4/15/105	LSB47001
Giben	470	75	4/15/105	LSB47002
Giben	470	75	4/15/105	LSB47003X
Giben	470	75	4/15/105	LSB47004X
Giben	500	75	4/15/105	LSB50010X
Giben	500	75	4/15/105	LSB50012
SCM	300	80	2/14/110 + 4/9/100	LSB30004X
SCM	300	80	2/14/110 + 4/9/100	LSB30008X
Gabbiani	320	80	4/9/100 + 2/9/110 + 2/14/110	LSB32006
Gabbiani	350	80	4/9/100 + 2/9/110 + 2/14/110	LSB35005X
Gabbiani	355	80	4/9/100 + 2/9/110 + 2/14/110	LSB35503X
Gabbiani	355	80	4/9/100 + 2/9/110 + 2/14/110	LSB35506X
Gabbiani	380	80	4/9/100 + 2/9/110 + 2/14/110	LSB38009X
Gabbiani	380	80	4/9/100 + 2/9/110 + 2/14/110	LSB38010
Gabbiani	380	80	4/9/100 + 2/9/110 + 2/14/110	LSB38013
Sigma	380	80	4/9/100 + 2/9/110 + 2/14/110	LSB39001X
Selco	400	80	4/19/120 + 2/9/130	LSB40006
Selco	400	80	4/19/120 + 2/9/130	LSB40009X
Gabbiani	400	80	4/9/100 + 2/9/110 + 2/4/110	LSB40011X
Gabbiani	400	80	4/9/100 + 2/9/110 + 2/4/110	LSB40012

Industrial Machine Reference

MACHINE REFERENCE

SAW
BLADES

CONTINUED

MACHINE	DIA. (mm)	ARBOR (mm)	PIN HOLES	ITEM NO.
Gabbiani	420	80	2/9/130 + 4/19/120 + 2/14/110	LSB42005X
Gabbiani, Selco	430	80	2/9/130 + 4/19/120 + 2/14/110	LSB43006
Gabbiani, Selco	430	80	2/9/130 + 4/19/120 + 2/14/110	LSB42005X
Gabbiani, Selco	450	80	2/9/130 + 4/19/120 +2/14/110	LSB45003
Gabbiani, Selco	450	80	2/9/130 + 4/19/120 +2/14/110	LSB45006
Gabbiani, Selco	450	80	2/9/130 + 4/19/120 + 2/14/110	LSB45009
Selco	450	80	2/9/130 + 4/19/120	LSB45018
Selco	480	80	2/9/130 + 4/19/120	LSB48001X
Gabbiani, Selco	480	80	2/9/130 + 4/19/120 +2/14/110	LSB48002
Selco	480	80	2/9/130 + 4/19/120	LSB48003X
Gabbiani	500	80	4/9/100 + 2/9/110+2/14/110	LSB50002
Gabbiani	500	80	4/9/100 + 2/9/110 + 2/14/110	LSB50004
Selco	510	80	2/9/130 + 4/19/120	LSB51001
Gabbiani	550	80	2/14/110	LSB55005
Gabbiani	550	80	2/14/110	LSB55006X
Gabbiani	565	80	2/14/110 + 4/9/100	LSB56503
Anthon	700	80	2/17/110	LSB70001
	530	100	-	LSB53003X
Giben	565	100	-	LSB56501
Giben	565	100	-	LSB56502X

FREUD INNOVATION

DIAL-A-WIDTH STACKED DADO



**TiCo™
Hi-Density Carbide**
For Splinter Free Flat
Bottom Grooves



No More Shims
A stacked dado set with
no shims. Simply dial the
patented hub for micro
adjustments.

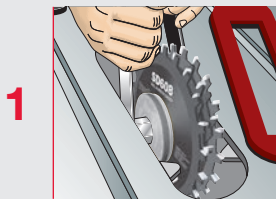


Easy & Accurate
Each "click" of the dial adjusts
the blade by .004"; with an
adjustable width range of 1/4"
to 29/32". A twist of the wrist is
all it takes!

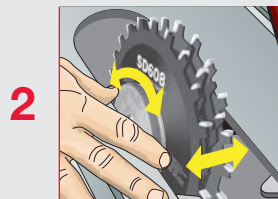


Not a Wobble Daddo!

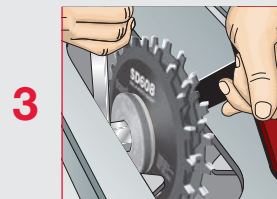
IT'S AS EASY AS 1...2...3...



1
LOOSEN



2
TURN A DIAL



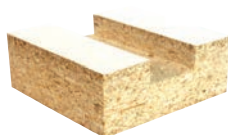
3
TIGHTEN

Dial-A-Width Stacked Dado Sets

SD600
SERIES

Whether you're a skilled professional or a weekend hobbyist, Freud has a dado for you. The SD608, Freud's Dial-A-Width Dado, has a patented dial system for easy and precise adjustments while offering extremely accurate cuts.

Cuts Clean Flat-Bottom Grooves in Materials such as:



Laminates & Melamines



Solid Woods

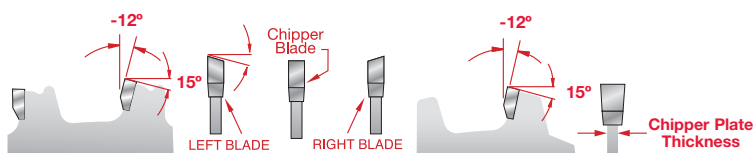
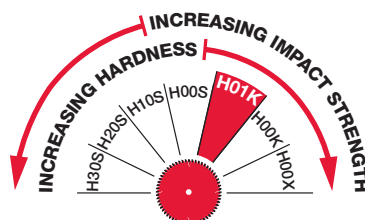


Veneered Plywood

RECOMMENDED USE

Hardwood			
Softwood			
Chip Wood			
Plywood			
Laminate			
Non-Ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



ITEM NO.	DIA.	TEETH	ARBOR	CHIPPER PLATE THICKNESS
SD606	6"	20	5/8"	(4) 1/8", (1) 3/32"
SD608	8"	24	5/8"	(4) 1/8", (1) 3/32"

SLOT WIDTH	NO. CHIPPER REQUIRED	
	1/8	3/32
1/4"	0	0
5/16"	0	0
3/8"	0	1
7/16"	1	0
1/2"	1	1

SLOT WIDTH	NO. CHIPPER REQUIRED	
	1/8	3/32
9/16"	2	0
5/8"	2	1
11/16"	3	0
3/4"	3	1
13/16"	4	0

DADO SETS

USE IN



Table Saws

Portable
Table SawsRadial Arm
Table Saws

APPLICATION

Patented dial system stacked dado set and with our exclusive Dial hub to ensure accurate adjustments. Adjusts in .004" increments. Adjusts easily to right or left operating machines. It does not need shims.

CUT WIDTH



SET INCLUDES



2 Blades



Wrench



5 Chippers

MATERIALS



Hardwood Softwood Plywood

Veneered
plywood

Laminate

i Carbide tips should never come into contact with each other. Always use both outside blades and never use chippers alone or with just one outside blade.

DADO SETS

USE IN



Table Saws

Radial Arm
Table Saws

APPLICATION

The first to include a 3/32" thick chipper and has the flexibility of an adjustable dado to handle today's undersized plywood. This allows the cut width to be adjusted in .004" (k5) increments and doubles the number of slot widths available.

SET INCLUDES



2 Blades

Shim Set



6 Chippers

MATERIALS



Hardwood Softwood Plywood



OSB Laminate

i For safety and best results, when cutting wide and/or deep dadoses, make several light passes instead of attempting to remove the material in one pass.

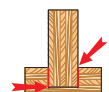
CAUTION: Carbide tips should never come into contact with each other. Always use both outside blades and never use chippers alone or with just one outside blade.

Super Dado Sets



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

SD500 Series

Freud's
Dado Sets

create clean edges,
square shoulders &
flat bottoms

Other Dado Sets

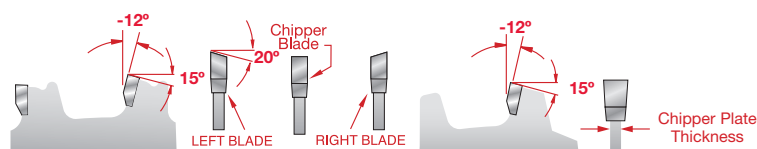


leave splinters and
uneven bottoms

RECOMMENDED USE

	FAIR	GOOD	EXCELLENT
Hardwood			
Softwood			
Chip Wood			
Plywood			
Laminate			
Non-Ferrous			
CUT QUALITY			

CARBIDE GRADE



ITEM NO.	DIA.	TEETH	ARBOR	CHIPPER PLATE THICKNESS
SD506	6"	20	5/8"	(4)1/8", (1)3/32", (1)1/16"
SD508	8"	24	5/8"	(4)1/8", (1)3/32", (1)1/16"
SD510	10"	32	1"	(4)1/8", (1)3/32", (1)1/16"
SD512	12"	36	1"	(4)1/8", (1)3/32", (1)1/16"

SLOT WIDTH	NO. CHIPPER REQUIRED		
	1/8	3/32	1/16
1/4"	0	0	0
5/16"	0	0	1
11/32"	0	1	0
3/8"	1	0	0
13/32"	0	1	1
7/16"	1	0	1
15/32"	1	1	0
1/2"	2	0	0
17/32"	1	1	1
9/16"	2	0	1

SLOT WIDTH	NO. CHIPPER REQUIRED		
	1/8	3/32	1/16
19/32"	2	1	0
5/8"	3	0	0
21/32"	2	1	1
11/16"	3	0	1
23/32"	3	1	0
3/4"	4	0	0
25/32"	3	1	1
13/16"	4	0	1
29/32"	4	1	1

Safety Dado Sets

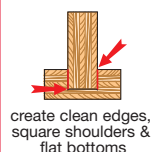
DADO SETS



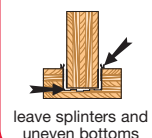
Features TiCo™
Hi-Density Carbide
Crosscutting Blend For
Clean, Crisp Grooves



SD300 Series

Freud's
Dado Sets

Other Dado Sets



USE IN



Table Saws

Portable
Table Saws

APPLICATION

Safe and splinter free dados. Produce grooves or rabbets which are flat-bottomed and virtually splinter-free in solid woods. Stacked dado sets are more precise than other styles and with the use of Freud's Shim Set the kerf width can be adjusted by as little as .004" for the correct fit.

SET INCLUDES



2 Blades

Shim Set
(for SD306 & SD308)

5 Chippers

MATERIALS



Hardwood Softwood Plywood



OSB Laminate

To determine if you need a 6" or 8" dado, first consult your saw owner's manual. Even if the manual states that the saw will accept an 8" dado, using the 6" on most 120v saws will greatly reduce the load on the motor.

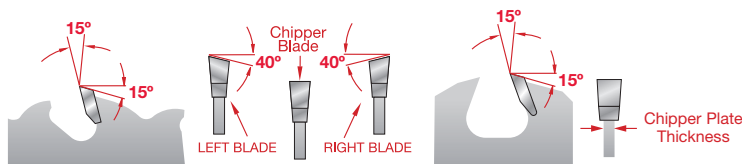
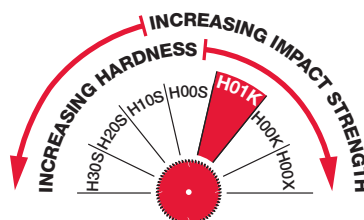


CAUTION: Carbide tips should never come into contact with each other. Always use both outside blades and never use chippers alone or with just one outside blade.

RECOMMENDED USE

Hardwood			
Softwood			
Chip Wood			
Plywood			
Laminate			
Non-Ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

CARBIDE GRADE



ITEM NO.	DIA.	TEETH	ARBOR	CHIPPER PLATE THICKNESS
SD306	6"	18	5/8"	(4)1/8", (1)1/16"
SD308	8"	22	5/8"	(4)1/8", (1)1/16"

SLOT WIDTH	NO. CHIPPER REQUIRED	
	1/8	1/16
1/4"	0	0
5/16"	0	1
3/8"	1	0
7/16"	1	1
1/2"	2	0

SLOT WIDTH	NO. CHIPPER REQUIRED	
	1/8	1/16
9/16"	2	1
5/8"	3	0
11/16"	3	1
3/4"	4	0
13/16"	4	1

DADO SETS

USE IN



Table Saws

Portable
Table SawsRadial Arm
Table Saws

APPLICATION

The negative hook angles make flat bottom grooves and virtually splinter-free cuts. Two outside blades with three 2-wing chippers which makes it ideal for underpowered saws because it requires less power to feed. Comes with Freud's anti-kickback design. This resharpenable set will produce grooves from 1/4" to 7/8" in 1/16" increments.

SET INCLUDES



2 Blades



Shim Set



Spacers



3 Chippers

MATERIALS



Hardwood Softwood Plywood



OSB



Laminate



Use a sacrificial backer board to eliminate blow out at the end of your dado cuts

CAUTION: Carbide tips should never come into contact with each other. Always use both outside blades and never use chippers alone or with just one outside blade.

Pro Dado Set



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



SD200 Series

Freud's
Dado Sets

create clean edges,
square shoulders &
flat bottoms

Other Dado Sets



leave splinters and
uneven bottoms

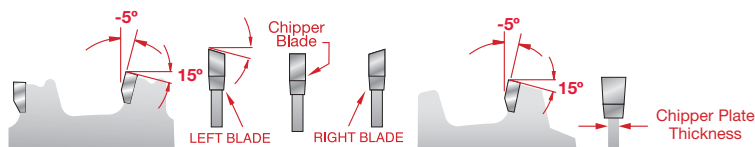
RECOMMENDED USE

Hardwood
Softwood
Chip Wood
Plywood
Laminate
Non-Ferrous

CUT QUALITY

FAIR GOOD EXCELLENT

CARBIDE GRADE



ITEM NO.	DIA.	TEETH	ARBOR	CHIPPER PLATE THICKNESS
SD206	6"	10	5/8"	(3)1/8"
SD2085	6"	12	5/8"	(3)1/8"

SLOT WIDTH	NO. CHIPPER REQUIRED	
	1/8	SPACERS
1/4"	0	0
5/16"	0	1
3/8"	1	0
7/16"	1	1
1/2"	2	0

SLOT WIDTH	NO. CHIPPER REQUIRED	
	1/8	SPACERS
9/16"	2	1
5/8"	3	0
11/16"	3	1
3/4"	3	2
13/16"	3	3

Box Joint Cutter Set



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



SB0X8 Series

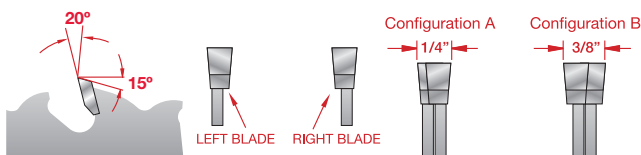


Set Creates perfect
1/4" & 3/8" Box
Joints.

RECOMMENDED USE

Hardwood			
Softwood			
Chip Wood			
Plywood			
Laminate			
Non-Ferrous			
CUT QUALITY	FAIR	GOOD	EXCELLENT

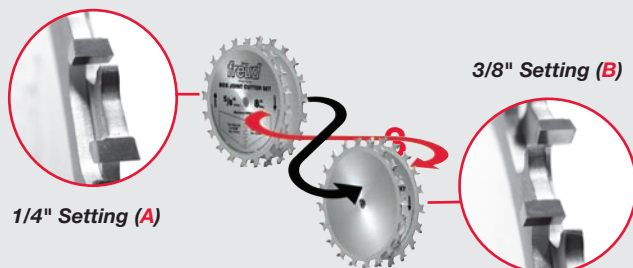
CARBIDE GRADE



ITEM NO.	DIA.	TEETH	ARBOR	HOOK ANGLE	WIDTH OF CUT
SB0X8	8"	20	5/8"	20°	1/4" Groove & 3/8" Groove

HOW IT WORKS

The set is easy to use, simply install the two 8" diameter, 5/8" arbor blades on a table saw with the blades back to back for 1/4" box joints (A), or face to face for 3/8" box joints (B).



DADO SETS

USE IN



Table Saws

Portable
Table Saws

APPLICATION

Cutting Grooves to Create Box Joints in Softwood or Hardwood. Creating perfectly square, flat-bottom box joints, on a table saw without using a dado set or saw blade. The SB0X8 Box Joint Cutter Set makes box joint construction easy, producing strong, accurate joints without shims or awkward adjustments.

SET INCLUDES

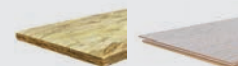


2 Blades

MATERIALS



Hardwood Softwood Plywood



OSB Laminate

Make test cuts and sample joints with your new SB0X8 before using it on your first project. Whenever possible, plan projects to use stock with a width that is an even multiple of either 1/4" or 3/8", resulting in joints with all pins and tails at full width.



CAUTION: Carbide tips should never come into contact with each other. Always use both outside blades and never use chippers alone or with just one outside blade.

DADO SETS

SYMBOL KEY

- ★ Outer Blades
- ◆ Chipper
- ◆ Chipper
- Shim
- Spacer

Set-Up For SD600 Series Dial-A-Width Dado Sets

*Cuts Dadoes
from 7/32" to 29/32"*

For ultimate precision and cut quality, this unique stacked dado system allows for quick and easy adjustments without the use of shims—giving flawless flat bottom cuts in hardwoods, softwoods, veneered plywoods and laminates.

This chart is applicable for:

- SD606
- SD608

Set-Up For SD500 Series Dado Sets

*Cuts Dadoes
from 1/4" to 29/32"*

The SD500 Super Dado series are available in 6" (SD506), 8" (SD508), 10" (SD510) and 12" (SD512). This series gives flawless flat bottom grooves with virtually splinter-free cuts in hardwoods, softwoods, veneered plywoods and laminates.

This chart is applicable for:

- SD506 • SD510
- SD508 • SD512

CONTINUES

Dado Chipper Set-Up & Configuration Guide

These charts explain how to set up your dado cutters to achieve your desired width of cut.

Complete set-up instructions, safety information and technical specifications are contained in the manual that comes in the dado set.

Cut Width	7/32"	1/4"	9/32"	5/16"	11/32"	3/8"	13/32"	7/16"	15/32"	1/2"	17/32"
Left Outside Blade	★	★	★	★	★	★	★	★	★	★	★
Right Outside Blade	★	★	★	★	★	★	★	★	★	★	★
3/32" Chipper	—	—	—	—	◆	◆	—	—	◆	◆	—
1/8" Chipper	—	—	—	—	—	—	◆	◆	◆	◆	◆
1/8" Chipper	—	—	—	—	—	—	—	—	—	—	◆
1/8" Chipper	—	—	—	—	—	—	—	—	—	—	—
1/8" Chipper	—	—	—	—	—	—	—	—	—	—	—
*Number of Clicks	1	9	16	25	8	16	15	22	8	16	15

Cut Width	9/16"	19/32"	5/8"	21/32"	11/16"	23/32"	3/4"	25/32"	13/16"	27/32"	7/8"	29/32"
Left Outside Blade	★	★	★	★	★	★	★	★	★	★	★	★
Right Outside Blade	★	★	★	★	★	★	★	★	★	★	★	★
3/32" Chipper	—	◆	◆	—	—	◆	◆	—	—	◆	◆	◆
1/8" Chipper	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
1/8" Chipper	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
1/8" Chipper	—	—	—	◆	◆	◆	◆	◆	◆	◆	◆	◆
1/8" Chipper	—	—	—	—	—	—	—	◆	◆	◆	◆	◆
*Number of Clicks	22	8	16	15	22	8	16	15	22	8	15	22

* The clicks are from zero on a "zeroed-out" dial. To learn how to zero-out the SD600 series dial refer to the manual that is included with the SD600 series dado sets. Always check the Table Saw manual or consult the manufacturer for the maximum allowable dado width.

Cut Width	7/32"	1/4"	9/32"	5/16"	11/32"	3/8"	13/32"	7/16"	15/32"	1/2"	17/32"
Left Outside Blade	N/A	★	★	★	★	★	★	★	★	★	★
Right Outside Blade	N/A	★	★	★	★	★	★	★	★	★	★
1/16" Chipper	N/A	—	—	◆	—	—	◆	◆	—	—	◆
3/32" Chipper	N/A	—	—	—	◆	—	◆	—	◆	—	◆
1/8" Chipper	N/A	—	—	—	—	◆	—	◆	◆	◆	◆
1/8" Chipper	N/A	—	—	—	—	—	—	—	—	◆	—
1/8" Chipper	N/A	—	—	—	—	—	—	—	—	—	—
1/8" Chipper	N/A	—	—	—	—	—	—	—	—	—	—
0.020" (0.5mm) Shim	N/A	—	○	—	—	—	—	—	—	—	—
0.012" (0.3mm) Shim	N/A	—	○	—	—	—	—	—	—	—	—
0.008" (0.2mm) Shim	N/A	—	—	—	—	—	—	—	—	—	—
0.004" (0.1mm) Shim	N/A	—	—	—	—	—	—	—	—	—	—

Dado Chipper Set-Up & Configuration Guide

Cut Width	9/16"	19/32"	5/8"	21/32"	11/16"	23/32"	3/4"	25/32"	13/16"	27/32"	7/8"	29/32"
Left Outside Blade	★	★	★	★	★	★	★	★	★	★	★	★
Right Outside Blade	★	★	★	★	★	★	★	★	★	★	★	★
1/16" Chipper	◆	-	-	◆	◆	-	-	◆	◆	-	-	◆
3/32" Chipper	-	◆	-	◆	-	◆	-	◆	-	◆	◆	◆
1/8" Chipper	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
1/8" Chipper	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
1/8" Chipper	-	-	◆	-	◆	◆	◆	◆	◆	◆	◆	◆
1/8" Chipper	-	-	-	-	-	-	◆	-	◆	◆	◆	◆
0.020" (0.5mm) Shim	-	-	-	-	-	-	-	-	-	-	○	-
0.012" (0.3mm) Shim	-	-	-	-	-	-	-	-	-	-	○	-
0.008" (0.2mm) Shim	-	-	-	-	-	-	-	-	-	-	-	-
0.004" (0.1mm) Shim	-	-	-	-	-	-	-	-	-	-	-	-

Cut Width	7/32"	1/4"	9/32"	5/16"	11/32"	3/8"	13/32"	7/16"	15/32"	1/2"	17/32"
Left Outside Blade	N/A	★	★	★	★	★	★	★	★	★	★
Right Outside Blade	N/A	★	★	★	★	★	★	★	★	★	★
1/16" Chipper	N/A	-	-	◆	◆	-	-	◆	◆	-	-
1/8" Chipper	N/A	-	-	-	-	◆	◆	◆	◆	◆	◆
1/8" Chipper	N/A	-	-	-	-	-	-	-	-	◆	◆
1/8" Chipper	N/A	-	-	-	-	-	-	-	-	-	-
1/8" Chipper	N/A	-	-	-	-	-	-	-	-	-	-
0.020" (0.5mm) Shim	N/A	-	○	-	○	-	○	-	○	-	○
0.012" (0.3mm) Shim	N/A	-	○	-	○	-	○	-	○	-	○
0.008" (0.2mm) Shim	N/A	-	-	-	-	-	-	-	-	-	-
0.004" (0.1mm) Shim	N/A	-	-	-	-	-	-	-	-	-	-

Cut Width	9/16"	19/32"	5/8"	21/32"	11/16"	23/32"	3/4"	25/32"	13/16"	27/32"	7/8"	29/32"
Left Outside Blade	★	★	★	★	★	★	★	★	★	★	★	★
Right Outside Blade	★	★	★	★	★	★	★	★	★	★	★	★
1/16" Chipper	◆	◆	-	-	◆	◆	-	-	◆	◆	◆	N/A
1/8" Chipper	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	N/A
1/8" Chipper	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	N/A
1/8" Chipper	-	-	◆	◆	◆	◆	◆	◆	◆	◆	◆	N/A
1/8" Chipper	-	-	-	-	-	-	◆	◆	◆	◆	◆	N/A
0.020" (0.5mm) Shim	-	○	-	○	-	○	-	○	-	○	○	N/A
0.012" (0.3mm) Shim	-	○	-	○	-	○	-	○	-	○	○	N/A
0.008" (0.2mm) Shim	-	-	-	-	-	-	-	-	-	-	○	N/A
0.004" (0.1mm) Shim	-	-	-	-	-	-	-	-	-	-	○	N/A

Set-Up For SD500 Series Dado Sets

Cuts Dadoes from 1/4" to 29/32"

CONTINUED

Set-Up For SD300 Series Dado Sets

Cuts Dadoes from 1/4" to 7/8"

The SD300 series gives superb cuts in softwoods & hardwoods. Available in 6" (SD306) and 8" (SD308) sizes. Cuts; hardwoods, softwoods, chipboard, plywood, & laminates.

This chart is applicable for:

- SD306
- SD308

DADO SETS

Set-Up For
SD200 Series
Dado Sets

Cuts Dados From
1/4" to 7/8"

The SD200 series gives great performance at a great price. Available in 6" (SD206) and 8" (SD208). Cuts; hardwoods, softwoods, chipboard, plywood, & laminates.

This chart is applicable for:

- SD206
- SD208

Dado Chipper Set-Up & Configuration Guide

CONTINUED

Cut Width	7/32"	1/4"	9/32"	5/16"	11/32"	3/8"	13/32"	7/16"	15/32"	1/2"	17/32"
Left Outside Blade	N/A	★	★	★	★	★	★	★	★	★	★
Right Outside Blade	N/A	★	★	★	★	★	★	★	★	★	★
1/8" Chipper	N/A	–	–	◆	◆	◆	◆	◆	◆	◆	◆
1/8" Chipper	N/A	–	–	–	–	–	–	–	–	◆	◆
1/8" Chipper	N/A	–	–	–	–	–	–	–	–	–	–
1/16" Spacer	N/A	–	–	⊙	⊙	–	–	⊙	⊙	–	–
0.020" (0.5mm) Shim	N/A	–	○	–	○	–	○	–	○	–	○
0.012" (0.3mm) Shim	N/A	–	○	–	○	–	○	–	○	–	○
0.008" (0.2mm) Shim	N/A	–	–	–	–	–	–	–	–	–	–
0.004" (0.1mm) Shim	N/A	–	–	–	–	–	–	–	–	–	–

Cut Width	9/16"	19/32"	5/8"	21/32"	11/16"	23/32"	3/4"	25/32"	13/16"	27/32"	7/8"	29/32"
Left Outside Blade	★	★	★	★	★	★	★	★	★	★	★	★
Right Outside Blade	★	★	★	★	★	★	★	★	★	★	★	★
1/8" Chipper	◆	◆	◆	◆	◆	◆	–	–	◆	◆	◆	N/A
1/8" Chipper	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	N/A
1/8" Chipper	–	–	◆	◆	◆	◆	◆	◆	◆	◆	◆	N/A
1/16" Spacer	⊙	⊙	–	–	⊙	⊙	⊙	⊙	⊙	⊙	⊙	N/A
0.020" (0.5mm) Shim	–	○	–	○	–	○	–	○	–	○	○	N/A
0.012" (0.3mm) Shim	–	○	–	○	–	○	–	○	–	○	○	N/A
0.008" (0.2mm) Shim	–	–	–	–	–	–	–	–	–	–	○	N/A
0.004" (0.1mm) Shim	–	–	–	–	–	–	–	–	–	–	⊙	N/A

Dado Replacement Parts & Shim Sets

DADO SETS

Precision Shim Sets - Outside Number of Each Thickness

ITEM	ARBOR	DIA.	.004	.008	.012	.020
SS100	5/8"	3-5/32"	4	2	2	2
SS200	1"	3-5/32"	4	2	2	2

Chippers

ITEM	FOR	DIA.	TEETH	ARBOR	THICKNESS
SD206C16	SD206	6"	2	5/8"	1/16"
SD206C18	SD206	6"	2	5/8"	1/8"
SD208C16	SD208	8"	2	5/8"	1/16"
SD208C18	SD208	8"	2	5/8"	1/8"
SDIC0616	SD306	6"	2	5/8"	1/16"
SDIC0618	SD306	6"	2	5/8"	1/8"
SDIC0816	SD308	8"	2	5/8"	1/16"
SDIC0818	SD308	8"	2	5/8"	1/8"
SDIC1018	SD310	10"	2	1"	1/8"
SDIC1216	SD312	12"	2	1"	1/16"
SDIC1218	SD312	12"	2	1"	1/8"
SD506C16	SD506	6"	4	5/8"	1/16"
SD506C332	SD506	6"	4	5/8"	3/32"
SD506C18	SD506	6"	4	5/8"	1/8"
SD508C16	SD508	8"	4	5/8"	1/16"
SD508C332	SD508	8"	4	5/8"	3/32"
SD508C18	SD508	8"	4	5/8"	1/8"
SD510C16	SD510	10"	4	1"	1/16"
SD510C332	SD510	10"	4	1"	3/32"
SD510C18	SD510	10"	4	1"	1/8"
SD512C16	SD512	12"	4	1"	1/16"
SD512C332	SD512	12"	4	1"	3/32"
SD512C18	SD512	12"	4	1"	1/8"
SD606C18	SD606	6"	4	5/8"	1/8"
SD606C332	SD606	8"	4	5/8"	3/32"
SD608C18	SD608	8"	4	5/8"	1/8"
SD608C332	SD608	8"	4	5/8"	3/32"

Replacement Parts For SD606 & SD608 Series

ITEM	DESCRIPTION
SD600SP	Spring hub assembly bearing & screws
SD600BB	Ball bearing for hub assembly
SD600HUB	Dial hub
SD600FLG	Flange for blade assembly
SD600FSC	Screws for flange

- Use Dado Sets components only with the dado set for which they are designed
- Never use chippers without both outside blades
- SS100 will work with any stacked dado set on table saws or radial arm saws with a 5/8" arbor
- SS200 will work with any stacked dado on table saws or radial arm saws with a 1" arbor

Freud dado sets are built to last through many years of sharpening and use. However, accidents like dropping a chipper do happen and Freud offers a full range of replacement parts. All outside blades and chippers are made to the same exacting standards of quality as the original set. For wider cuts Freud's Precision Shim Set and additional chippers are available.

DADO SETS

Dado Replacement Parts & Shim Sets

CONTINUED

Outside Blades

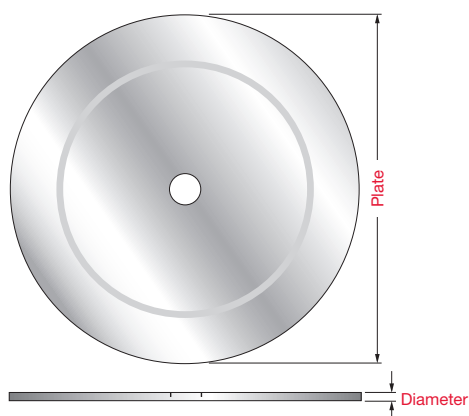
ITEM	FOR	DIA.	TEETH	ARBOR	ORIENTATION
SD206OLH	SD206	6"	10	5/8"	Left Side
SD206ORH	SD206	6"	10	5/8"	Right Side
SD208OLH	SD208	8"	12	5/8"	Left Side
SD208ORH	SD208	8"	12	5/8"	Right Side
SDOS06LH	SD306	6"	24	5/8"	Left Side
SDOS06RH	SD306	6"	24	5/8"	Right Side
SDOS08LH	SD308	8"	24	5/8"	Left Side
SDOS08RH	SD308	8"	24	5/8"	Right Side
SDOS10RH	SD310	10"	36	1"	Right Side
SDOS12LH	SD312	12"	36	1"	Left Side
SDOS12RH	SD312	12"	36	1"	Right Side
SD506OLH	SD506	6"	24	5/8"	Left Side
SD506ORH	SD506	6"	24	5/8"	Right Side
SD508OLH	SD508	8"	24	5/8"	Left Side
SD508ORH	SD508	8"	24	5/8"	Right Side
SD510OLH	SD510	10"	32	1"	Left Side
SD510ORH	SD510	10"	32	1"	Right Side
SD512OLH	SD512	12"	36	1"	Left Side
SD512ORH	SD512	12"	36	1"	Right Side
SD606OLH	SD606	6"	24	5/8"	Left Side
SD606ORH	SD606	6"	24	5/8"	Right Side
SD608OLH	SD608	8"	24	5/8"	Left Side
SD608ORH	SD608	8"	24	5/8"	Right Side

Calibration & Sanding Disks

CALIBRATION & SANDING DISKS



ITEM NO.	DIA.	PLATE	BORE
CD008	8"	1/8"	5/8"
CD010	10"	1/8"	5/8"



USE IN



APPLICATION

For sanding and accurately aligning your saw for optimal performance. They are precision ground extra thick for absolute balance and flatness. Simply mount the disk onto the saw and align the disk with a square. Because there are no teeth to get in the way, it will produce a more accurate reading. Then simply remove the disk and mount your blade. Freud Disks will also turn your table saw into a disk sander. Simply mount any of the adhesive backed Freud Sanding Disks (4 popular grits available) onto the Freud Calibration and Sanding Disk and use as a disk sander. Sanding time will be cut down to practically nothing.

MATERIALS



CALIBRATION & SANDING DISKS

APPLICATION

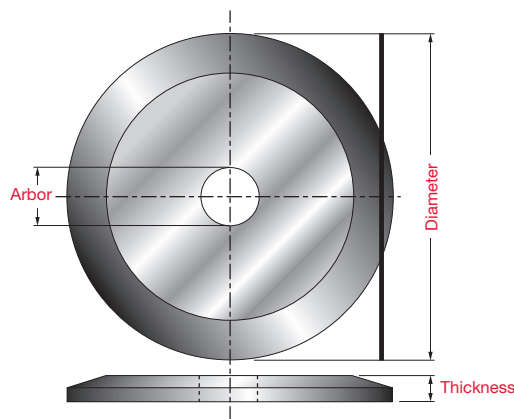
These sets of saw blade stabilizers are precision machined and balanced to give an added amount of stability. Freud Stabilizer sets not only improve the cut, but make the saw cut quieter, and extend it's cutting life between sharpenings. These Stabilizer sets can be used on blades 7" diameter, and larger.

CAUTION: Stabilizers should only be used on stationary saws and should never be used on hand held portable saws

Blade Stabilizers & Stiffeners

SC Series Stabilizer Sets (2 pieces)

ITEM NO.	ARBOR	DIA.	THICKNESS
SC-001	5/8"	3-1/2"	9/32"



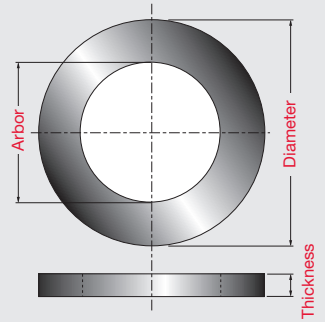
Saw Blade Bushings

CALIBRATION & SANDING DISKS

ITEM NO.	INSIDE DIA.	OUTSIDE DIA.	THICKNESS INCH	GAUGE
BL71MAA9	3/8"	1/2"	.048	18
BL71MBA9	1/2"	5/8"	.056	17
BL71MBB9	1/2"	3/4"	.056	17
BL71MBC9	1/2"	13/16"	.056	17
BL71MBD9	1/2"	7/8"	.064	16
BL71MBF9	1/2"	1-1/8"	.080	14
BL71MCA9	5/8"	◇SKIL	.056	17
BL71MCB9	5/8"	3/4"	.056	17
BL71MCC9	5/8"	13/16"	.056	17
BL71MCD9	5/8"	7/8"	.064	16
BL71MCE9	5/8"	1"	.080	14
BL71MCF9	5/8"	1-1/4"	.092	13
BL71MDB9	3/4"	1"	.080	14
BL71MDC9	3/4"	1-1/8"	.104	12
BL71MEA9	7/8"	1"	.080	14
BL71MFA9	1"	1-1/8"	.092	13
BL71MFB9	1"	1-1/4"	.104	12
BL71MFC9	1"	1-3/8"	.104	12
BL71MFD9	1"	1-1/2"	.116	11
BL71MGW9	5/8"	20mm	.064	16
BL71MIA9	1"	30mm	.092	13
BL71MLA9	5/8"	30mm	.092	13
BL71MNA9	20mm	1"	.080	14

APPLICATION

For Reduction In Blade Arbor Size. These precision bushings are designed for reducing the arbor size of Freud and other manufacturers saw blades.



ROUTER BITS



Freud's router bits are known for their exceptional quality, unmatched precision and maximum cutting life. The bits are carefully crafted using the best materials, the industry's most sophisticated manufacturing processes, and include exclusive Freud features such as TiCo™ Hi-Density Carbide and red Perma-SHIELD® non-stick coating. Freud's bits also contain revolutionary, innovative designs such as Quadra-Cut™ and Double-Grind™.

Freud router bits – Precisely The Best.

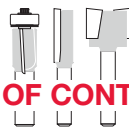


TABLE OF CONTENTS

Straight, Spiral & Trim Bits		Beading Bits		Door & Window	
88-95	Double Flute Straight Bits	141-142	Variable Corner Round Bit	212	Window Sash & Rail Bits
96-97	Single Flute Straight Bits	143	Half Round Bits	213	Glass Panel Cabinet Door Bit Set
98-99	Mortising Bits	144	Half Round Bits with Bearings	214-215	Recoverable Bead Glass Door Bits
100	Stagger Bits	145-147	Decorative Edge Bits	216-217	Divided Lite Cabinet Door Bit Set
101	Premier Solid Carbide Up Spiral Bits	147	Triple Beading & Fluting Bits	218-219	Rail & Stile Profile Bits
102	Premier Solid Carbide Down Spiral Bits	148	Bold Classical Bit	220-226	Premier Adjustable Rail & Stile Bits
103	Premier Solid Carbide Chipbreaker Up Spiral Bits	148	Flute Bits	227	One-Piece Rail & Stile Bits
103	Premier Solid Carbide Chipbreaker Down Spiral Bits	149	Triple Beading Bits	228-232	Entry & Interior Door System
104	Premier Solid Carbide O-Flute Up Spiral Bits	149	Traditional Beading Bits	233	3-Piece French Door Bit Set
104	Premier Solid Carbide O-Flute Down Spiral Bits	150	Corner Beading Bits	234	5-Piece French Door Bit Set
105	Premier Solid Carbide O-Flute Straight Bits	151	Table Top Edge Classical Bit	235	2-Piece French Door Bit Set
105	Diamond Compression Bit	151	Table Top Edge Classical Bold Bit	236	French Provincial Raised Panel Bits
106	Black I.C.E.™ Router Bits	152	Chamfer Bits	237	Matched Rail & Stile Mini Profile
107	Premier Solid Carbide Chipbreaker Dbl. Compression Spirals	153-154	Multi-Profile Bits	238-241	Quadra-Cut Raised Panel Bits
107	1-Flute Compression Bits	Architectural Millwork		242-243	Quadra-Cut Raised Panel Bits w/Backcutters
108	2-Flute Compression Bit	155	Brick Molding Bit	244-245	Vertical Raised Panel Bits
109	3-Flute Compression Bit	156-157	Casing Bits	246	Door Pull Bit
109	4-Flute Compression Bit	158-159	Chair Rail Bits	247	Door Lip Bit
110-111	Mortise Compression Spiral Bits	160-161	Base and Cap Bits	248	No Lip Door Edge Bit
112	Solid Carbide Flush Trim Bits	162-163	Beadboard Bit System	248	Finger Pull Door Lip Bit
112	Panel Pilot Bits	164	Table Edge & Handrail Bits	249	Drawer Front Bit
113	Super Hook Straight Bits	165	Handrail Bits	249	Window Stool Bit
113	Downshear Helix Flush Trim Bit	166-167	Face Molding Bits	Router Bit Sets	
114	Flush Trim Spiral Bits	168	Reversible Wainscoting Bit	250	9 Piece Basic Set
115	Bearing Flush Trim Bits	169-172	Wide Crown Molding System	251	5 Piece Introductory Set
116-117	Top Bearing Flush Trim Bits	173-175	Crown Molding Bits	251	5 Piece Up Spiral Bit Set
118	Top & Bottom Bearing Flush Trim Bits	Joinery		252	5 Piece Down Spiral Bit Set
118	Bevel Trim Bit	176-178	Dovetail Bits	252	3 Piece Undersized Plywood Set
119	Flush & Bevel Trim Bit	178	Butterfly Spline Bit	253	4 Piece Undersized Plywood Set
119	Radius Laminate Trim Bit	179	Rabbeting Bits	254	8 Piece General Purpose Bit Set
120	Insert Bevel Trim Bit	180	Rabbeting Bits with Bearings	255	3 Piece Lettering & Sign Bit Set
120	Laminate Miter Joint Bits	181	Stacked Slotting Set	255	3 Piece Carving Bit Set
121	Flush Trim "V" Groove Bit	182	Biscuit Joining Set	256	3 Piece CNC Fine Detail Bit Set
Edge Treatment		183	Three Wing Slotting Cutters	256	4 Piece Radius "V" Grooving Bit Set
122-123	Round Nose Bit	183	Four Wing Slotting Cutters	257	8 Piece Sign Making Bit Set
124	Dish Carving Bit	184	Slotting Cutter Arbors	258	6 Piece Starter Set
125	"V" Veining Bit	185	Slotting Cutter Sets	259	15 Piece Advanced Set
125	Lettering Bits	186	Canoe Joint Bits	260-261	26 Piece Artisan Set
126	"V" Grooving Bits	186	Reversible Glue Joint Bit	262	13 Piece Super Set
127	Ogee Groove Bits	187	Drawer Lock Bits	263-264	3 Piece Cabinet Set (adjustable)
127	Cove & Bead Groove Bits	188	Lock Miter Bits	264	5 Piece Cabinet Set (adjustable)
128	Classical Beading Groove Bits	189	Wedge Tongue & Groove Bits	265	3 Piece Door Construction Set
128-129	Ovolo Bits	190	Adjustable Tongue & Groove Bit Set	266	2 Piece Wide Crown Molding Set
130	Standard Ogee Groove Bits	191	Raised Panel "V" Joint Bit	267	3 Piece Round Over/Beading Set
130	Top Bearing Fillet Ogee Groove Bits	191	Finger Joint Bit	267	5 Piece Round Over/Beading Set
131	Top Bearing Classical Cove & Bead Groove Bits	192	Variable Height Finger Joint Bit	268	8 Piece Bit Sets for Incra Jig®
131	Top Bearing Cove & Bead Groove Bits	193	"V" Panel Bit Set	269	3 Piece Cove Set
131	Top Bearing Cove & Bead Groove Bits	Solid Surface		269	3 Piece Chamfer Set
132	Radius "V" Grooving Bits	194	Round Over Bowl Bits	270	6 Piece Straight Set
132	Engraving "V" Grooving Bits	195	Ogee Bowl Bits	Parts & Accessories	
133	Detail Carving Bit	196	Bevel Bowl Bits	271	Ball Bearing
133	Tapered Ball Tip Bits	197	Flush Trim Solid Surface Bits	272	Repair Parts
134	T-Slotting Cutter Bits	198	Overhang Trim & Cut Out Bits	273	Ball Bearing Replacement Chart
134	Key Hole Bit	199	Wavy Joint Bit		
135	Radius Tip Up Cut Spiral Bit	199	No Drip Edge Bits		
135	Up Cut Spiral Ball Nose Bits	200	Under Rounding Bit For Bull Nose		
136	Cove Bits	201	Rounding Over Bits		
137	Cove & Fillet Bits	202	Inlay Bits		
137	Classical Cove Bits	203	Drainboard Bits		
138	Convex Edge Bit	204-207	Trimming, Repair & Bowl Removal Bits		
138-139	Rounding Over Bits	208-211	Solid Surface Edge Profile Bits		
140	Rounding Over Bits with Steel Pilots				
140	Drop-Leaf Table Bit Set				

STRAIGHT, SPIRAL & TRIM BITS



Double Flute Straight Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal



ECLIPSE GRIND

Freud's Eclipse Grind™ provides optimal chip clearance for less build-up; extending the life of the bit while allowing for 2x resharpenings

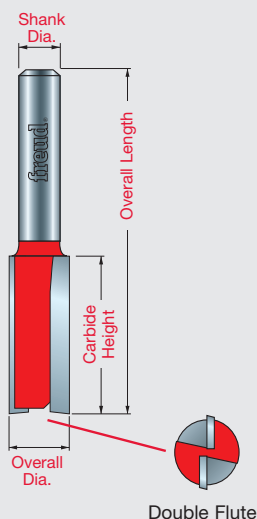
MATERIALS



Hardwood Softwood Plywood



OSB Laminate



Double Flute

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
04-096**	1/16"	1/4"	1/4"	1-5/8"
04-098**	3/32"	3/8"	1/4"	1-5/16"
04-100**	1/8"	3/8"	1/4"	1-3/4"
04-101**	5/32"	5/8"	1/4"	1-1/2"
04-102**	3/16"	1/2"	1/4"	2"
04-103**	3/16"	5/8"	1/4"	2"
04-104**	1/4"	1/2"	1/4"	2"
04-105**	1/4"	5/8"	1/4"	2"
04-106**	1/4"	3/4"	1/4"	2-1/4"
04-107**	1/4"	7/8"	1/4"	2-1/4"
04-108**	1/4"	1"	1/4"	2-1/2"
04-109**	1/4"	7/8"	1/4"	2-7/8"
04-110**	1/4"	1"	1/4"	2-7/8"
04-112*	9/32"	1"	1/4"	2"
04-118*	5/16"	1"	1/4"	2-1/2"
04-120*	3/8"	7/8"	1/4"	1-7/8"
04-124*	3/8"	1"	1/4"	2-1/2"
04-126*	3/8"	1-1/4"	1/4"	2-11/16"
04-129*	7/16"	1"	1/4"	2-1/2"
04-130*	1/2"	3/4"	1/4"	2-1/4"
04-131*	1/2"	7/8"	1/4"	1-7/8"
04-132*	1/2"	1"	1/4"	2-1/8"
04-133*	1/2"	1-1/4"	1/4"	2-3/4"
04-134*	9/16"	3/4"	1/4"	2-1/8"
04-136*	5/8"	3/4"	1/4"	2-1/8"
04-137*	5/8"	1-1/4"	1/4"	2-3/4"
04-138*	11/16"	3/4"	1/4"	2-1/8"
04-140*	3/4"	3/4"	1/4"	2-1/8"
04-144*	1-13/16"	3/4"	1/4"	2"
04-148*	7/8"	3/4"	1/4"	2"
04-152*	1"	3/4"	1/4"	2"
04-156*	1"	1-1/8"	1/4"	2-9/16"
08-106	1/4"	3/4"	3/8"	2"
08-124	3/8"	1"	3/8"	2-1/4"
08-132	1/2"	1"	3/8"	2-1/2"
08-136	5/8"	1"	3/8"	2-1/4"
08-152	3/4"	1"	3/8"	2-1/4"
12-096*	15/64"	3/4"	1/2"	2-13/32"
12-100*	1/4"	3/4"	1/2"	2-3/8"
12-102*	1/4"	7/8"	1/2"	2-7/8"
12-106*	5/16"	1"	1/2"	2-3/4"
12-108*	3/8"	1"	1/2"	2-5/8"
12-110*	3/8"	1-1/4"	1/2"	2-7/8"
12-112**	13/32"	1"	1/2"	2-5/8"
12-113*	7/16"	1-1/4"	1/2"	3-1/4"
12-115*	7/8"	1-1/4"	1/2"	2-3/4"
12-116*	1/2"	1"	1/2"	2-5/8"
12-118*	1/2"	1-1/4"	1/2"	2-7/8"
12-122*	1/2"	1-1/2"	1/2"	3-1/8"
12-124*	1/2"	1-1/2"	1/2"	4-1/4"
12-128*	1/2"	2"	1/2"	4-1/8"
12-130*	1/2"	2-1/2"	1/2"	4-3/8"
12-134*	9/16"	1-1/4"	1/2"	2-7/8"
12-136*	5/8"	1"	1/2"	2-1/2"
12-138*	5/8"	1-1/4"	1/2"	2-1/2"

* Solid Carbide

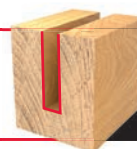
* Eclipse Grind

** For use with Porter-Cable® Dovetail Jig #4212

Red Item Numbers Indicate 1/2" Shank

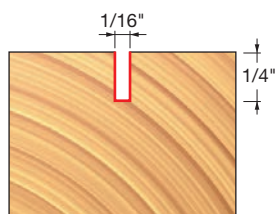
All Profile Drawings 1:1 Scale

Double Flute Straight Bits

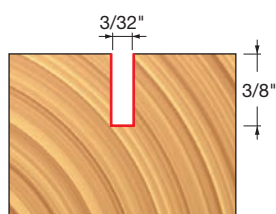


STRAIGHT, SPIRAL & TRIM BITS

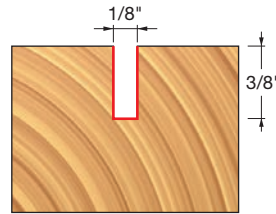
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
12-140*	5/8"	1-1/2"	1/2"	3"
12-142*	5/8"	2"	1/2"	4"
12-148*	11/16"	1-1/4"	1/2"	3"
12-152*	3/4"	1"	1/2"	2-1/2"
12-154*	3/4"	1-1/4"	1/2"	3"
12-156*	3/4"	1-1/2"	1/2"	3"
12-158*	3/4"	2"	1/2"	3-1/2"
12-162*	13/16"	1-1/4"	1/2"	3"
12-168*	7/8"	1-1/4"	1/2"	3"
12-172*	1"	1-1/4"	1/2"	3"
12-178*	1-1/8"	1-1/2"	1/2"	3"
12-182*	1-1/4"	1-1/2"	1/2"	2-7/8"
12-186*	1-3/8"	1-1/4"	1/2"	3"
12-190*	1-1/2"	1-1/4"	1/2"	3"
12-194*	1-3/4"	1-1/4"	1/2"	3"
Undersized Plywood Bits				
04-111**	7/32"	3/4"	1/4"	2"
04-127*	15/32"	3/4"	1/4"	2"
04-128*	15/32"	7/8"	1/4"	2-3/8"
12-114*	15/32"	1-1/4"	1/2"	2-7/8"
12-135*	19/32"	1-1/4"	1/2"	2-7/8"
12-150*	23/32"	1-1/4"	1/2"	2-7/8"
Metric Version				
04-502**	2mm	5/32"	1/4"	1-1/2"
04-508**	3mm	5/16"	1/4"	1-3/4"
04-512**	5mm	15/32"	1/4"	2"
04-520*	10mm	1-1/4"	1/4"	2-3/8"
04-528*	12mm	1-1/4"	1/4"	2-3/8"
04-532*	15mm	3/4"	1/4"	2-1/4"
04-536*	15mm	1-1/4"	1/4"	2-5/8"
04-540*	16mm	3/4"	1/4"	2-1/4"
04-544*	16mm	1-1/4"	1/4"	2-5/8"
04-548*	18mm	3/4"	1/4"	2"
04-552*	20mm	3/4"	1/4"	2"
12-520*	10mm	1-1/4"	1/2"	2-3/4"
12-530*	12mm	1-1/4"	1/2"	2-3/4"
12-544*	16mm	1-1/4"	1/2"	2-3/4"



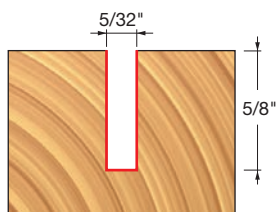
04-096



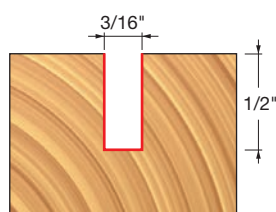
04-098



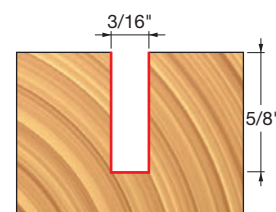
04-100



04-101



04-102



04-103

* Solid Carbide
* Eclipse Grind

** For use with Porter-Cable® Dovetail Jig #4212
Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

USE IN



Table Router



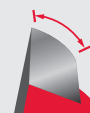
Hand Router



CNC

APPLICATION

Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal



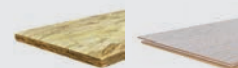
ECLIPSE GRIND

Freud's Eclipse Grind™ provides optimal chip clearance for less build-up; extending the life of the bit while allowing for 2x resharpenings

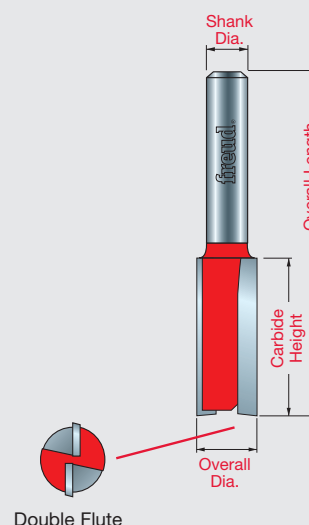
MATERIALS



Hardwood Softwood Plywood



OSB Laminate



Double Flute

STRAIGHT, SPIRAL & TRIM BITS



Double Flute Straight Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal



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MATERIALS



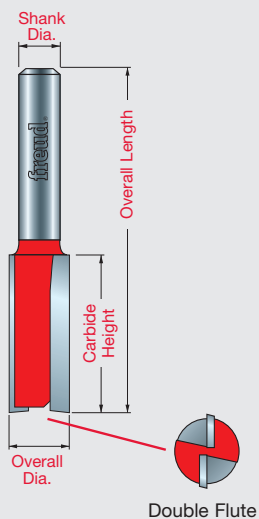
Hardwood Softwood Plywood



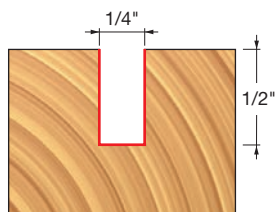
OSB



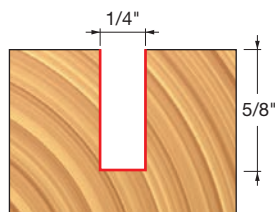
Laminate



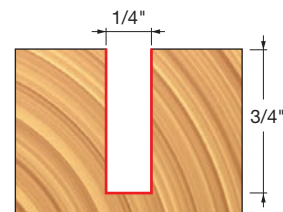
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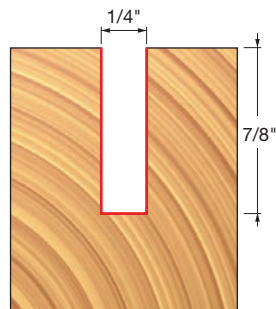
04-104



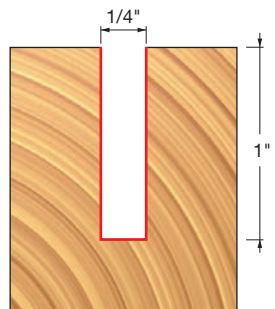
04-105



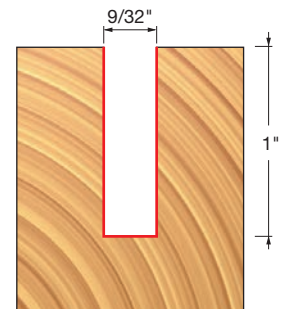
04-106 / 08-106 / 12-100



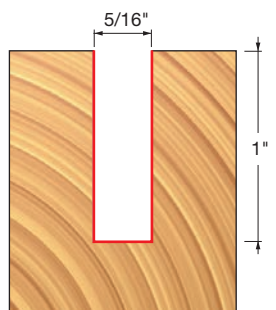
04-107 / 04-109 / 12-102



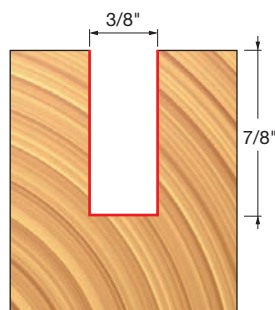
04-108 / 04-110



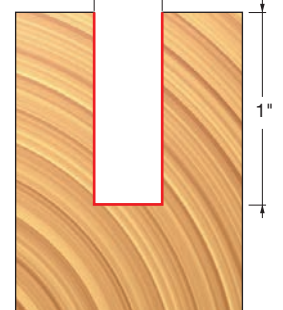
04-112



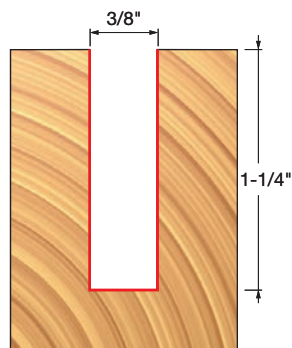
04-118 / 12-106



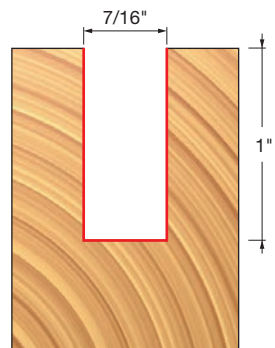
04-120



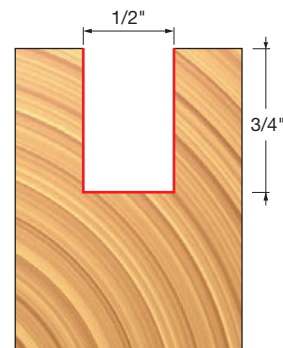
04-124 / 08-124 / 12-108



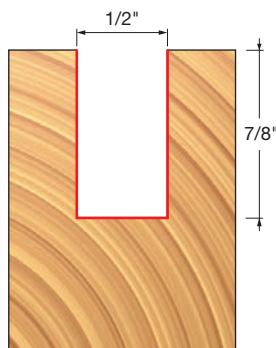
04-126 / 12-110



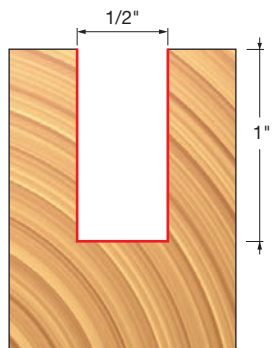
04-129



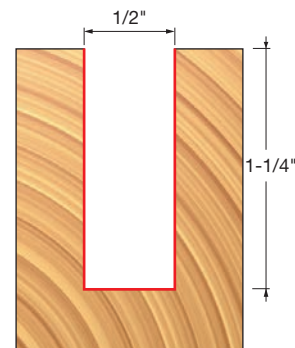
04-130



04-131



04-132 / 08-132 / 12-116



04-133 / 12-118

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

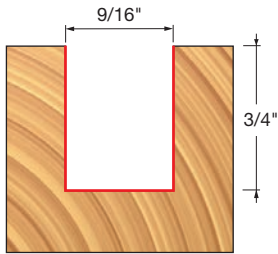
All Profile Drawings 1:1 Scale

Double Flute Straight Bits

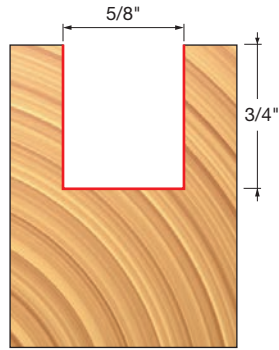


STRAIGHT, SPIRAL & TRIM BITS

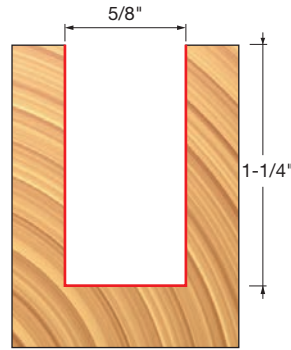
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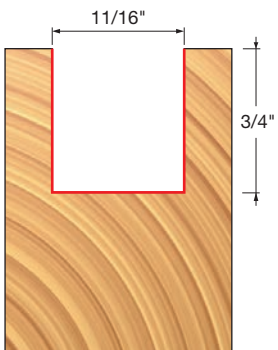
04-134



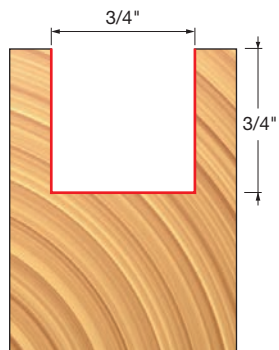
04-136



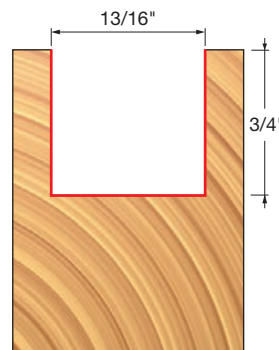
04-137 / 12-138



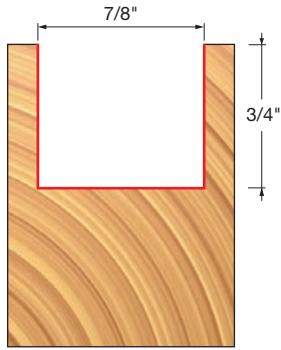
04-138



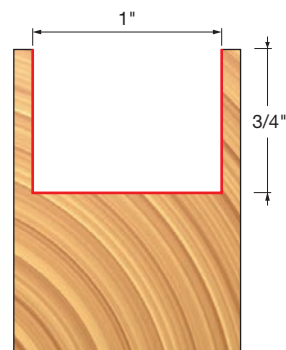
04-140



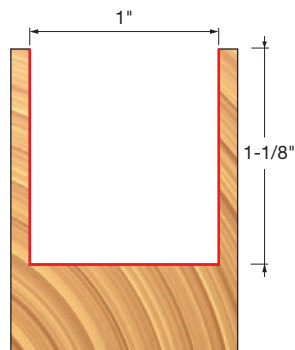
04-144



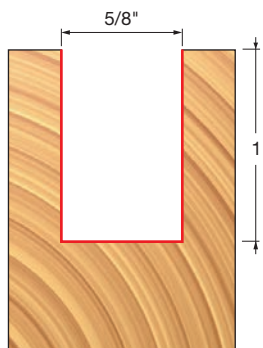
04-148



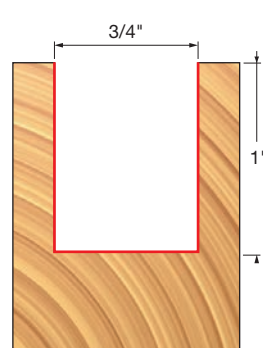
04-152



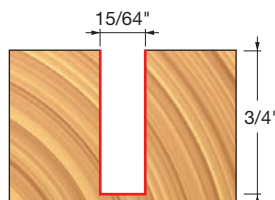
04-156



08-136 / 12-136



08-152 / 12-152



12-096

USE IN



Table Router



Hand Router



CNC

APPLICATION

Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal



ECLIPSE GRIND

Freud's Eclipse Grind™ provides optimal chip clearance for less build-up; extending the life of the bit while allowing for 2x resharpenings

MATERIALS



Hardwood

Softwood

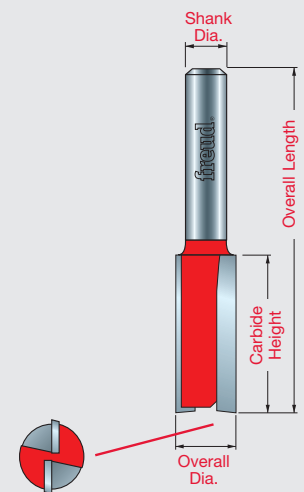
Plywood



OSB



Laminate



Double Flute

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

STRAIGHT, SPIRAL & TRIM BITS

Double Flute Straight Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

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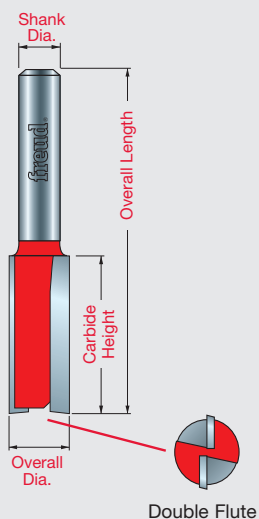
MATERIALS



Hardwood Softwood Plywood

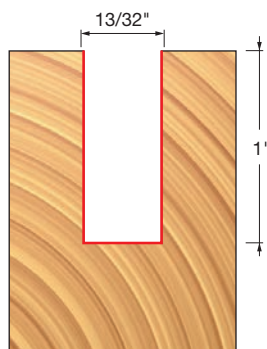


OSB Laminate

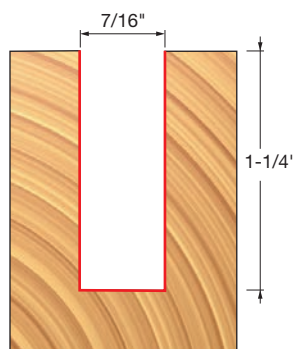


Double Flute

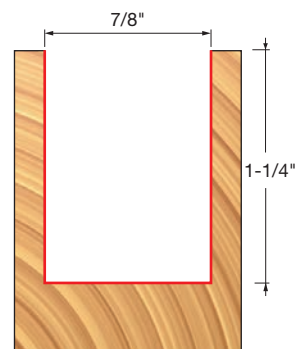
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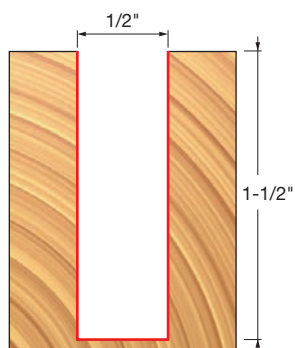
12-112



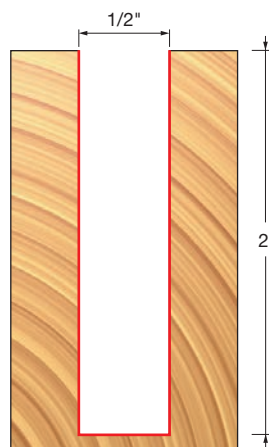
12-113



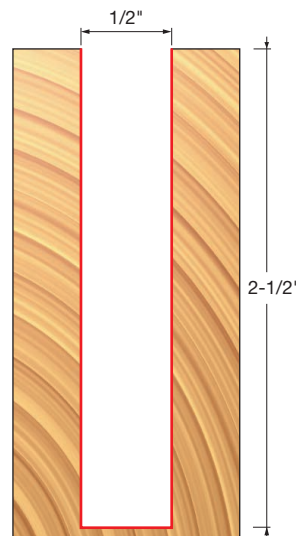
12-115 / 12-168



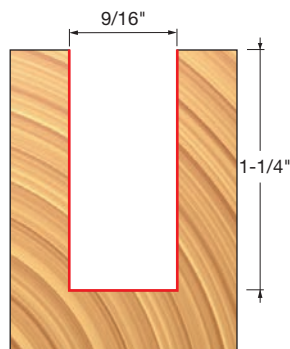
12-122 / 12-124



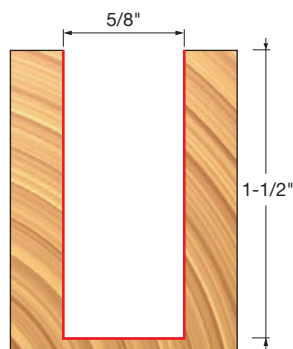
12-128



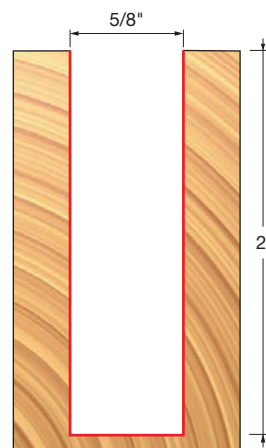
12-130



12-134



12-140



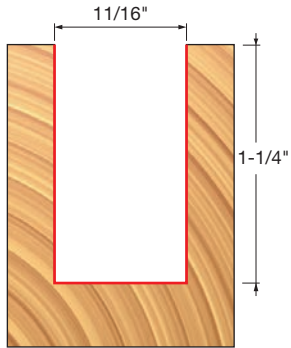
12-142

Double Flute Straight Bits

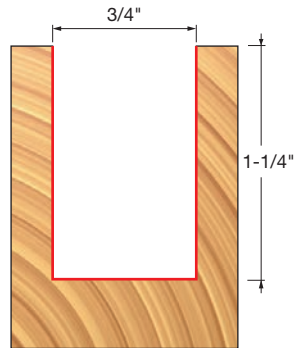


STRAIGHT, SPIRAL & TRIM BITS

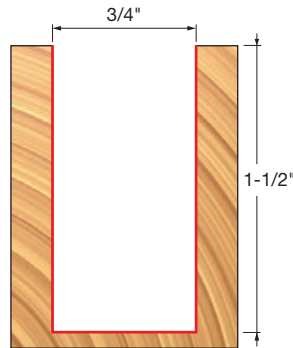
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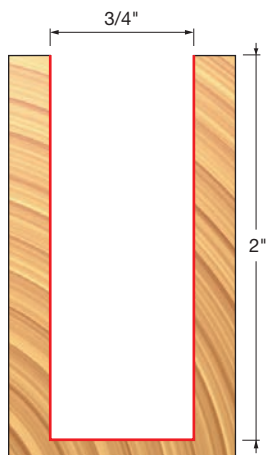
12-148



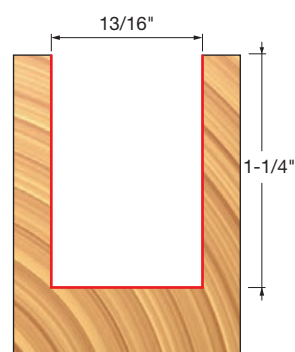
12-154



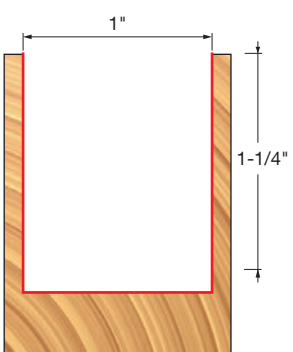
12-156



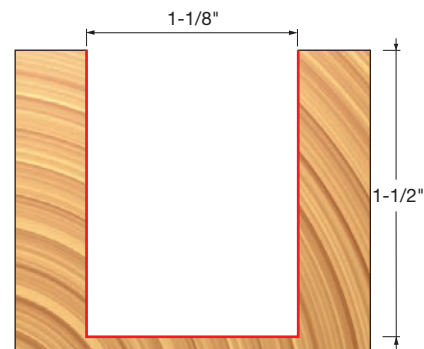
12-158



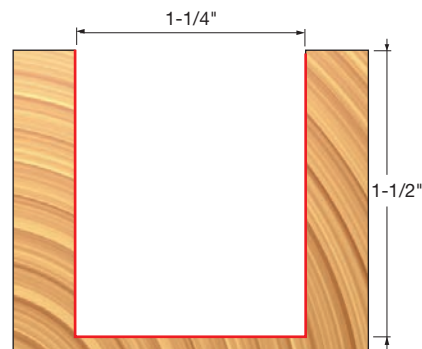
12-162



12-172



12-178



12-182

USE IN



Table Router



Hand Router



CNC

APPLICATION

Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal



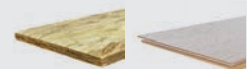
ECLIPSE GRIND

Freud's Eclipse Grind™ provides optimal chip clearance for less build-up; extending the life of the bit while allowing for 2x resharpenings

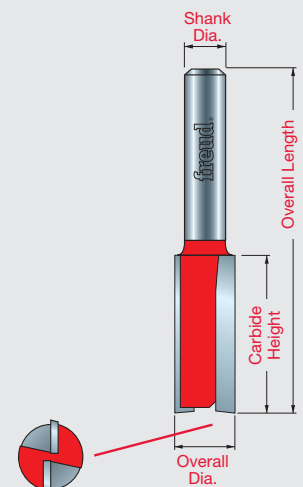
MATERIALS



Hardwood Softwood Plywood



OSB Laminate



Double Flute

STRAIGHT, SPIRAL & TRIM BITS



Double Flute Straight Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

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MATERIALS



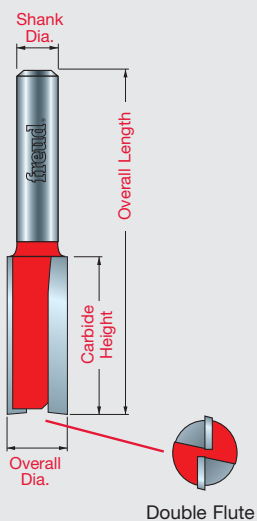
Hardwood Softwood Plywood



OSB

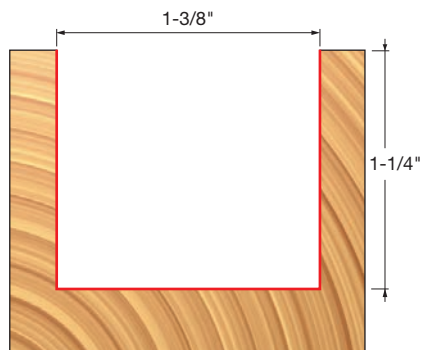


Laminate

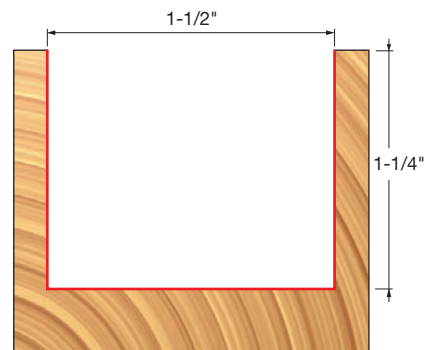


Double Flute

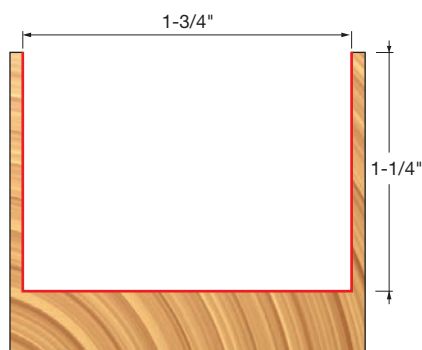
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12-186

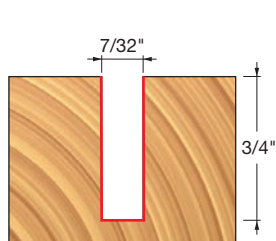


12-190

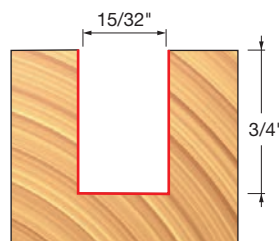


12-194

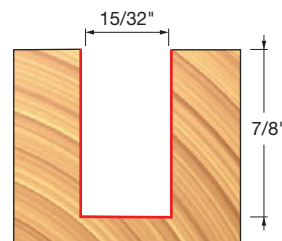
Undersized Plywood Bits



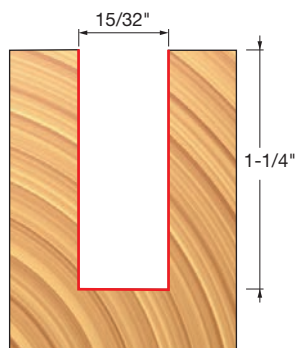
04-111



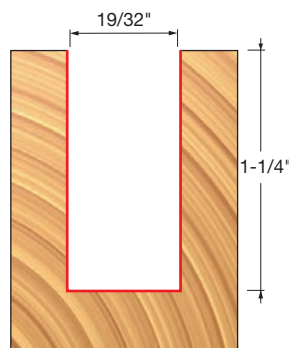
04-127



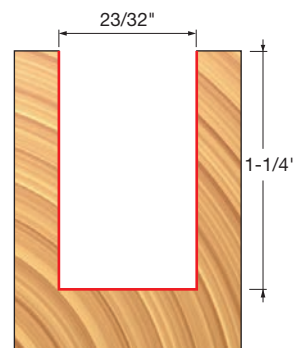
04-128



12-114



12-135



12-150

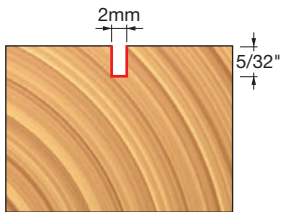
Double Flute Straight Bits



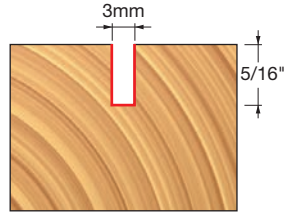
STRAIGHT, SPIRAL & TRIM BITS

CONTINUED

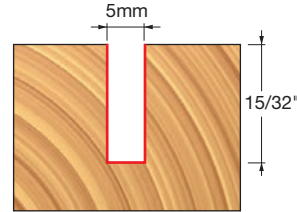
Metric Version



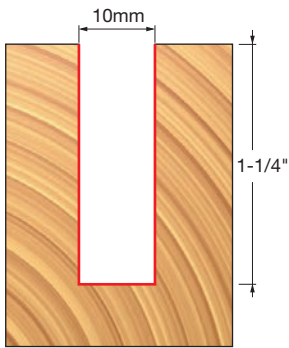
04-502 metric



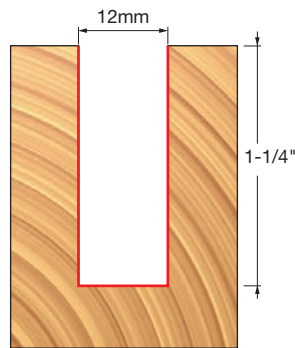
04-508 metric



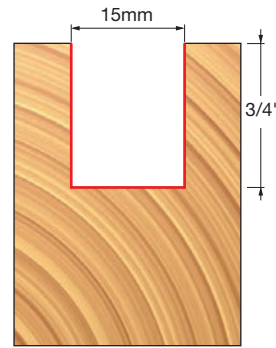
04-512 metric



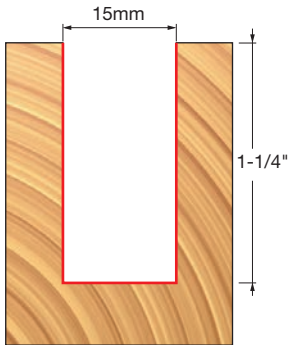
04-520 metric / 12-520 metric



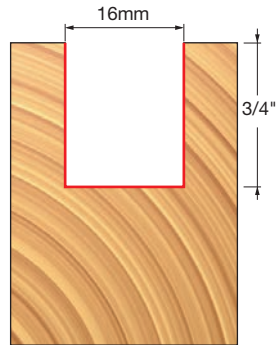
04-528 metric / 12-530 metric



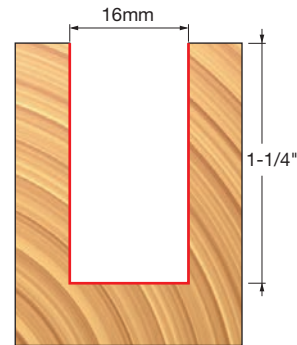
04-532 metric



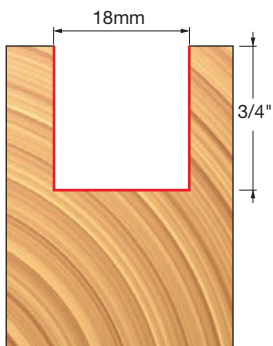
04-536 metric



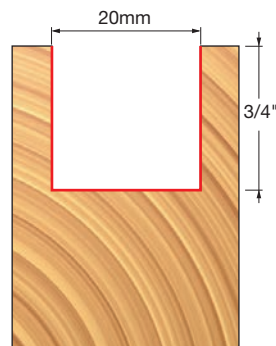
04-540 metric



04-544 metric / 12-544 metric



04-548 metric



04-552 metric

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

USE IN



Table Router



Hand Router



CNC

APPLICATION

Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal



ECLIPSE GRIND

Freud's Eclipse Grind™ provides optimal chip clearance for less build-up; extending the life of the bit while allowing for 2x resharpenings

MATERIALS



Hardwood

Softwood

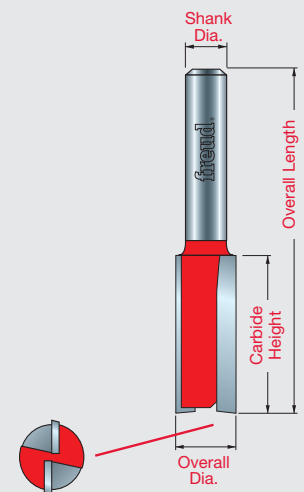
Plywood



OSB



Laminate



Double Flute

STRAIGHT, SPIRAL & TRIM BITS



Single Flute Straight Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

High production work with maximum chip clearance for fast feed rates

MATERIALS



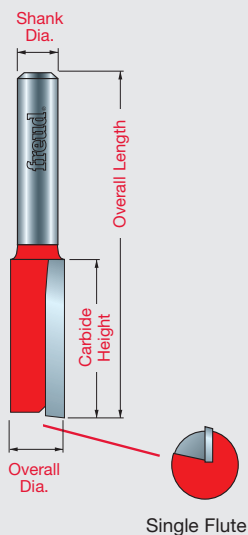
Hardwood Softwood Plywood



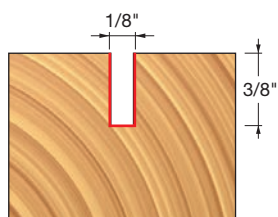
OSB



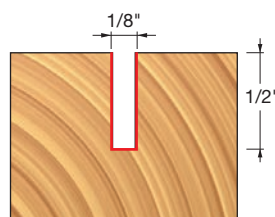
Laminate



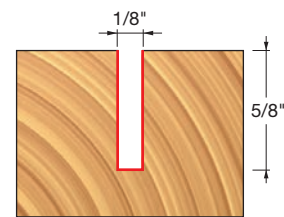
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
03-112*	1/8"	3/8"	1/4"	1-1/2"
03-116*	1/8"	1/2"	1/4"	2"
03-120*	1/8"	5/8"	1/4"	2"
03-124*	3/16"	3/8"	1/4"	1-1/2"
03-128*	3/16"	1/2"	1/4"	2"
03-132*	1/4"	1/2"	1/4"	2"
03-136*	1/4"	3/4"	1/4"	2-1/2"
03-140*	1/4"	1-1/2"	1/4"	2-1/2"
03-144*	1/4"	1"	1/4"	3"
03-148	5/16"	3/4"	1/4"	2-1/2"
03-152	5/16"	1"	1/4"	2-1/2"
03-156	3/8"	1-1/4"	1/4"	2-7/8"
05-136	1/4"	3/4"	3/8"	2-3/4"
05-160	3/8"	1-1/4"	3/8"	2-7/8"
05-164	1/2"	1"	1/2"	2-7/8"
11-136	1/4"	1/2"	1/2"	2-1/2"
11-152	5/16"	1"	1/2"	2-7/8"
11-158	3/8"	1"	1/2"	3"
11-160	3/8"	1-1/4"	1/2"	3"
11-164	1/2"	1"	1/2"	2-7/16"
11-168	1/2"	1-1/4"	1/2"	2-7/8"
11-172	1/2"	1-1/2"	1/2"	3-1/8"
11-176	1/2"	2"	1/2"	4-1/8"
11-180	1/2"	2-1/2"	1/2"	4-3/8"
11-184	9/16"	1-1/4"	1/2"	2-1/2"
11-188	5/8"	1-1/4"	1/2"	2-1/2"



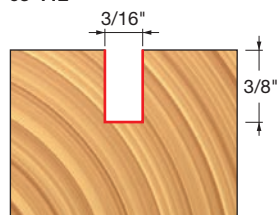
03-112



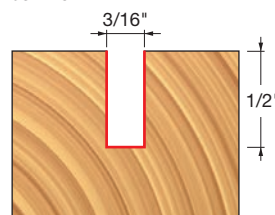
03-116



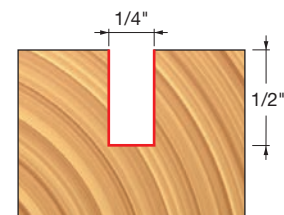
03-120



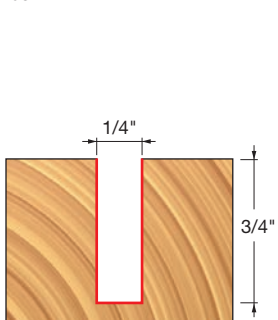
03-124



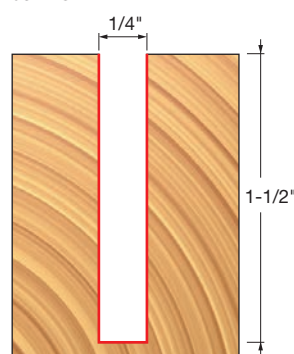
03-128



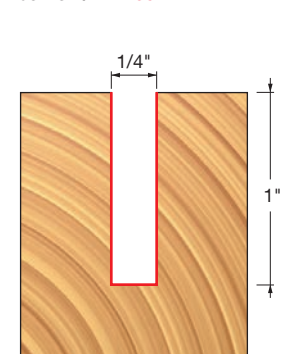
03-132 / 11-136



03-136 / 05-136



03-140



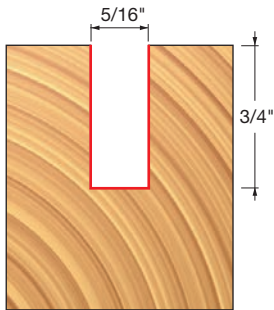
03-144

Single Flute Straight Bits

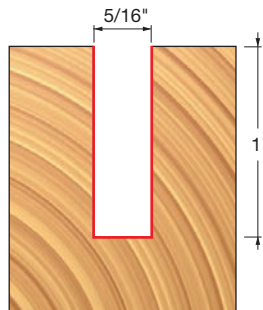


STRAIGHT, SPIRAL & TRIM BITS

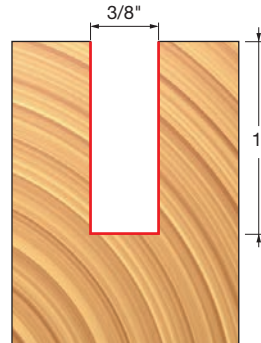
CONTINUED



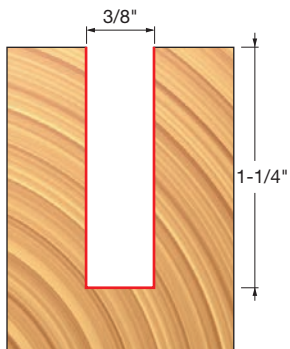
03-148



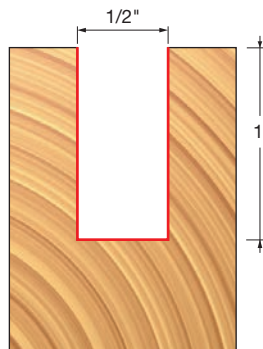
03-152 / 11-152



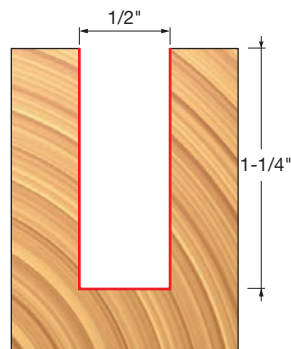
11-158



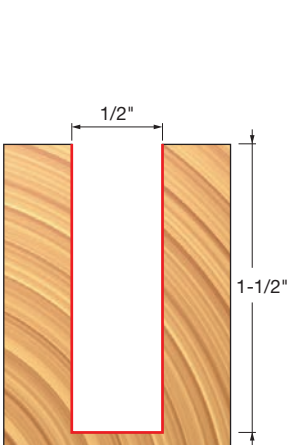
03-156 / 05-160 / 11-160



05-164 / 11-164



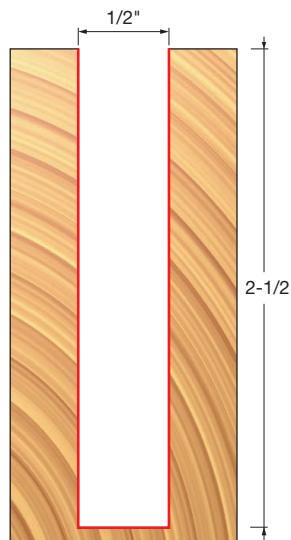
11-168



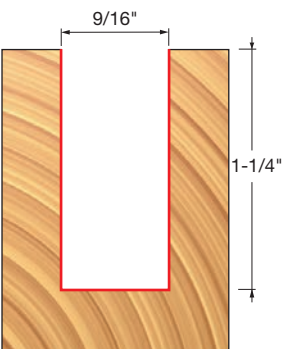
11-172



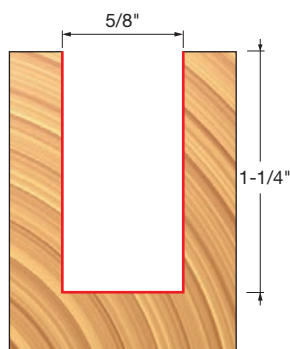
11-176



11-180



11-184



11-188

USE IN



Table Router



Hand Router



CNC

APPLICATION

High production work with maximum chip clearance for fast feed rates

MATERIALS



Hardwood

Softwood

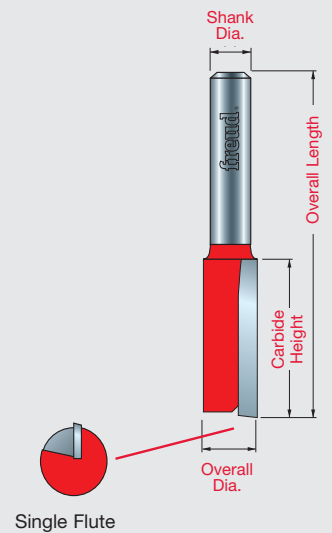
Plywood



OSB



Laminate

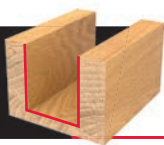


* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

STRAIGHT, SPIRAL & TRIM BITS



Mortising Bits

USE IN



Table Router



Hand Router

CNC

APPLICATION

Down shear works to eliminate splintering. Ideal for hinges, mortises, and dadoes. Designed with deep center gullets for maximum material removal without chip loading.

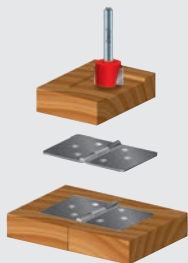
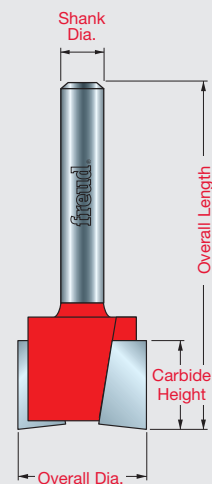
MATERIALS



Hardwood Softwood Plywood



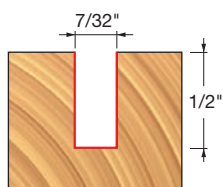
OSB Laminate



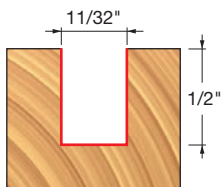
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
16-096	11/32"	1/2"	1/4"	2"
16-098	15/32"	1/2"	1/4"	2"
16-100	1/2"	1/2"	1/4"	2"
16-102	5/8"	1/2"	1/4"	2"
16-103	23/32"	1/2"	1/4"	1-3/4"
16-104	3/4"	1/2"	1/4"	2"
16-106	1-1/4"	29/64"	1/4"	2-1/8"
16-094**	7/32"	1/2"	1/2"	2-1/4"
16-107**	11/32"	1/2"	1/2"	2-1/4"
16-108	1-1/4"	1/2"	1/2"	2-3/8"
16-109**	15/32"	1/2"	1/2"	2-1/4"
16-110	1/2"	1/2"	1/2"	2-3/8"
16-116**	23/32"	3/8"	1/2"	2-1/8"
16-118	3/4"	3/8"	1/2"	2-1/8"
16-120	7/8"	1-1/2"	1/2"	2-15/16"
16-122	1"	3/8"	1/2"	2-9/32"
16-128	1-1/2"	5/8"	1/2"	2-17/32"

Top Bearing Mortising-Dado Bits

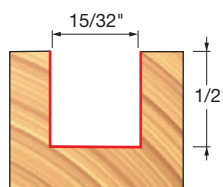
16-500	1/2"	3/4"	1/4"	2-7/16"
16-502	5/8"	3/4"	1/4"	2-7/16"
16-504	3/4"	3/4"	1/4"	2-7/16"
16-510	3/4"	3/8"	1/4"	2-3/32"
16-560*	1/2"	5/16"	1/4"	2-7/16"
16-520	3/4"	3/8"	1/2"	2-3/32"
16-522	1-1/4"	15/64"	1/2"	2"
16-523	1-1/4"	1/2"	1/2"	2-1/4"
16-524	1-1/4"	5/8"	1/2"	2-3/8"
16-528	1-1/2"	5/8"	1/2"	2-1/2"



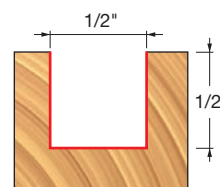
16-094



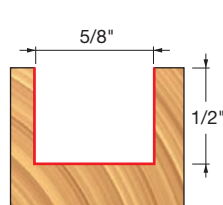
16-096 / 16-107



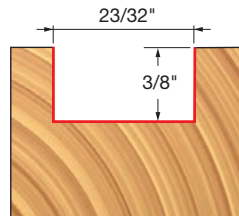
16-098 / 16-109



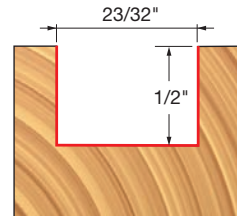
16-100



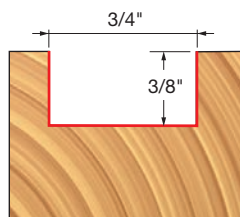
16-102



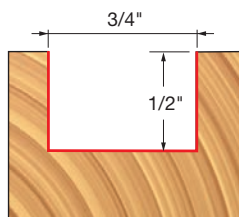
16-116



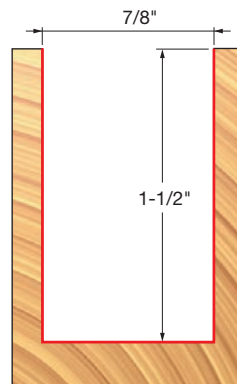
16-103



16-118



16-104



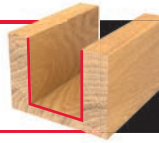
16-120

* Overall bearing diameter is 5/8"

** Downshear bits for routing plywood grooves
Red Item Numbers Indicate 1/2" Shank

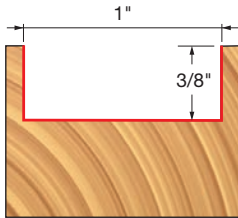
All Profile Drawings 1:1 Scale

Mortising Bits

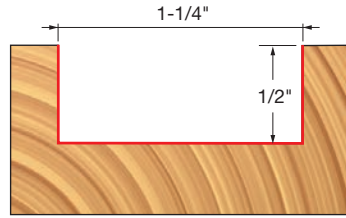


STRAIGHT, SPIRAL & TRIM BITS

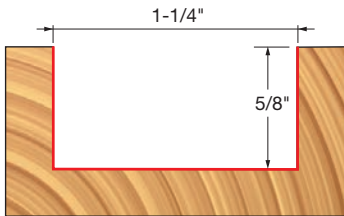
CONTINUED



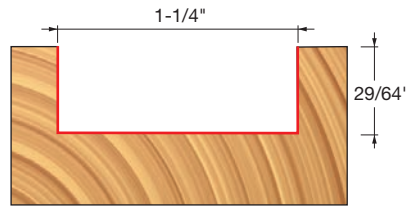
16-122



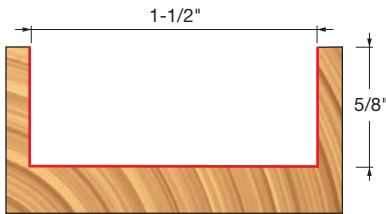
16-108



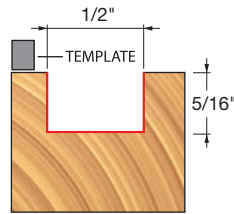
16-524 Top Bearing



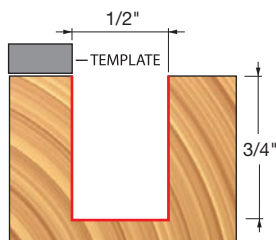
16-106



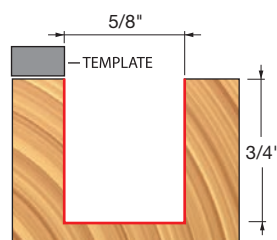
16-128



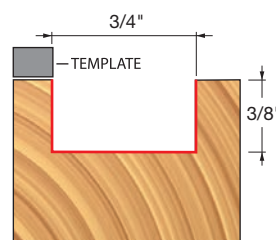
16-560*
*Overall bearing diameter is 5/8"



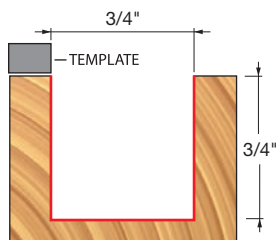
16-500 Top Bearing



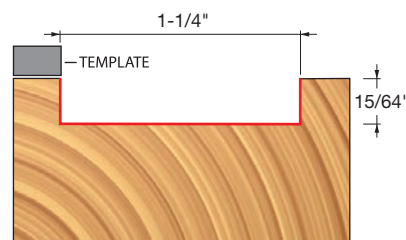
16-502 Top Bearing



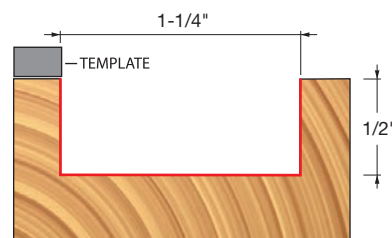
16-510 Top Bearing
16-520 Top Bearing



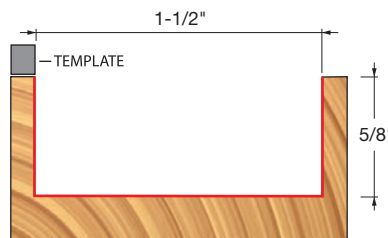
16-504 Top Bearing



16-522 Top Bearing



16-523 Top Bearing



16-528 Top Bearing

USE IN



Table Router



Hand Router



CNC

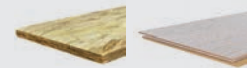
APPLICATION

Down shear works to eliminate splintering ideal for hinges, mortises, and dados. Designed with deep center gullets for maximum material removal without chip loading.

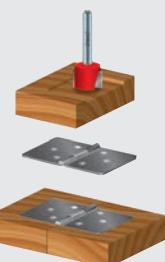
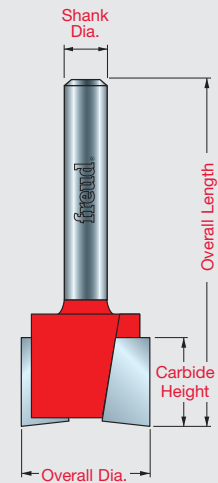
MATERIALS



Hardwood Softwood Plywood



OSB Laminate



STRAIGHT, SPIRAL & TRIM BITS

Stagger Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

Smooth, fast cutting in thick materials. #14-204 compression bit has opposing shears for an exceptionally clean edge on both the top and bottom of the cut.

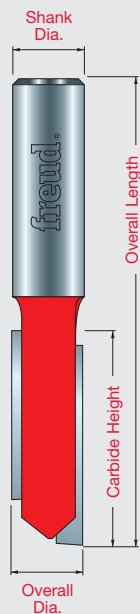
MATERIALS



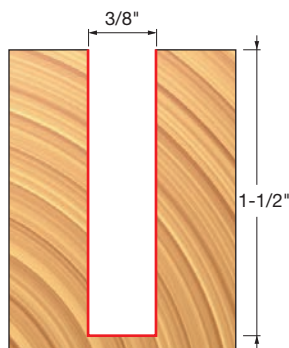
Hardwood Softwood Plywood



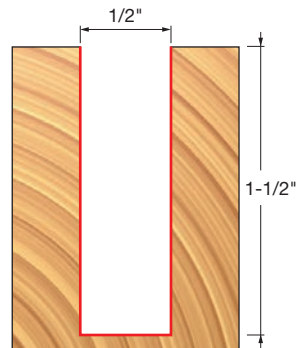
OSB Laminate



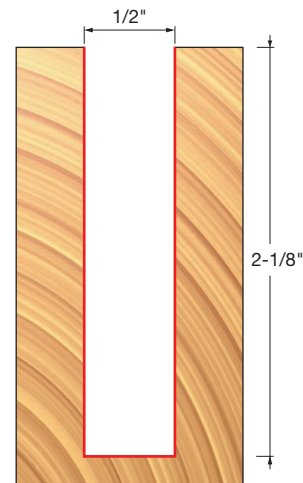
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
14-102	3/8"	1-1/2"	1/2"	3-1/4"
14-104	1/2"	1-1/2"	1/2"	3-1/4"
14-106	1/2"	2-1/8"	1/2"	4"
14-204	1/2"	1-1/2"	1/2"	3-3/16"



14-102



14-104 / 14-204



14-106

Premier Solid Carbide Spiral Bits



STRAIGHT, SPIRAL & TRIM BITS

Up Spiral Bits



USE IN



Table Router



Hand Router



CNC

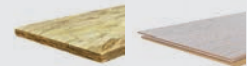
APPLICATION

Cutting mortises and routing deep blind holes

MATERIALS



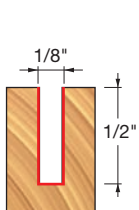
Hardwood Softwood Plywood



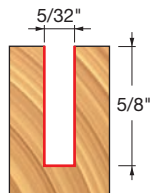
OSB Laminate

ROUTER BITS

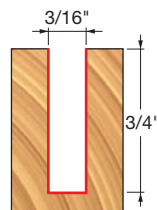
ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
Double Flute				
75-100*	1/8"	1/2"	1/4"	2"
75-101*	3/16"	3/4"	1/4"	2-1/4"
75-102*	1/4"	1"	1/4"	2-1/2"
75-103*	1/4"	3/4"	1/4"	2-1/2"
75-104*	5/16"	1"	1/2"	3"
75-105*	3/8"	1-1/8"	3/8"	3"
75-106*	3/8"	1-1/4"	1/2"	3"
75-108*	1/2"	1-1/4"	1/2"	3"
75-109*	1/2"	2"	1/2"	4"
75-110*	1/2"	1-5/8"	1/2"	3-1/2"
75-112*	1/2"	2-1/8"	1/2"	4"
75-202*	5/32"	5/8"	1/4"	2"
Triple Flute				
75-306*	3/8"	1-1/4"	1/2"	3"
75-308*	1/2"	2"	1/2"	4"



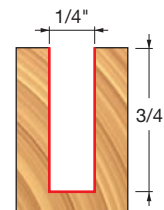
75-100



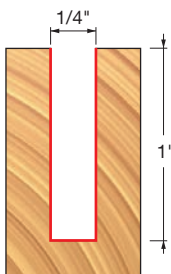
75-202



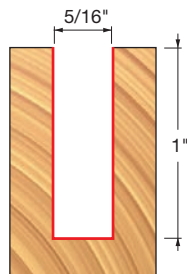
75-101



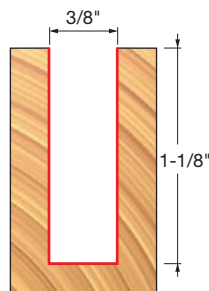
75-103



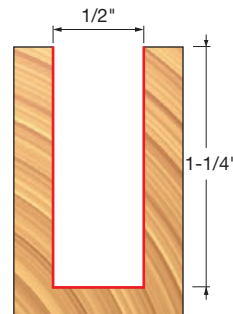
75-102



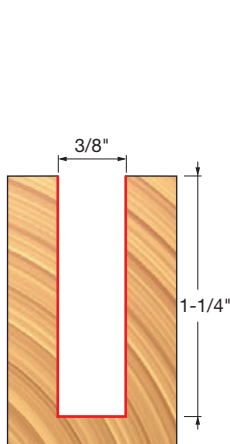
75-104



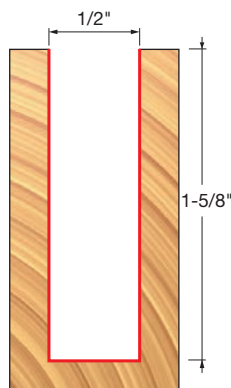
75-105



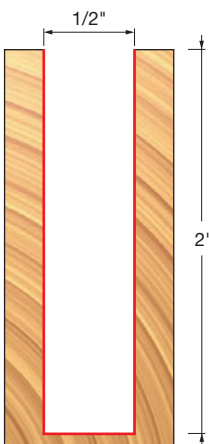
75-108



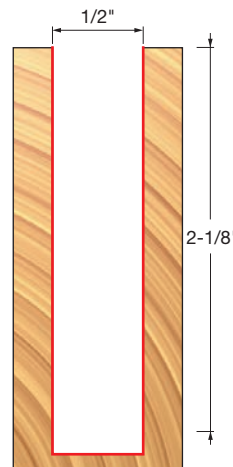
75-106 / 75-306



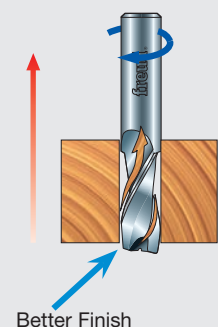
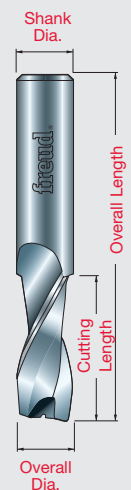
75-110



75-109 / 75-308



75-112



* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

STRAIGHT, SPIRAL & TRIM BITS



Premier Solid Carbide Spiral Bits

USE IN



Table Router



Hand Router

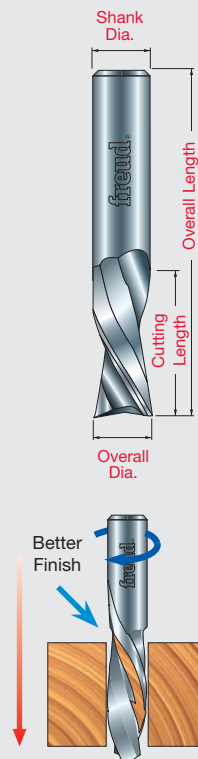


CNC

APPLICATION

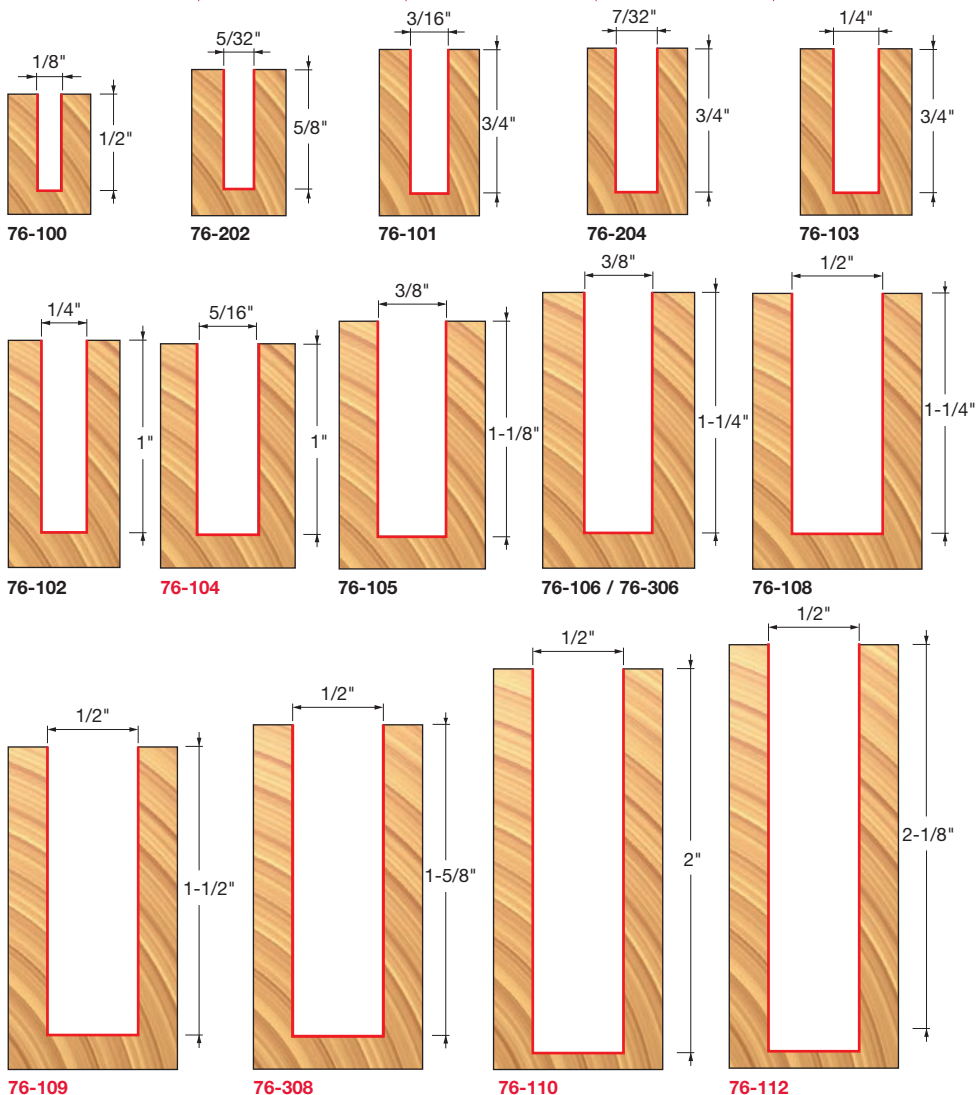
Grooves and dadoes in single-sided veneers and laminates. Ideal for smooth, chip-free routing where chip removal is not a problem.

MATERIALS



CONTINUED Down Spiral Bits

ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
Double Flute				
76-100*	1/8"	1/2"	1/4"	2"
76-101*	3/16"	3/4"	1/4"	2-1/4"
76-102*	1/4"	1"	1/4"	2-1/2"
76-103*	1/4"	3/4"	1/4"	2-1/2"
76-104*	5/16"	1"	1/2"	2-1/2"
76-105*	3/8"	1-1/8"	3/8"	3"
76-106*	3/8"	1-1/4"	1/2"	3"
76-108*	1/2"	1-1/4"	1/2"	3"
76-109*	1/2"	1-1/2"	1/2"	4"
76-110*	1/2"	2"	1/2"	4"
76-112*	1/2"	2-1/8"	1/2"	4"
76-202*	5/32"	5/8"	1/4"	2"
76-204*	7/32"	3/4"	1/4"	2"
Triple Flute				
76-306*	3/8"	1-1/4"	1/2"	3"
76-308*	1/2"	1-5/8"	1/2"	4"



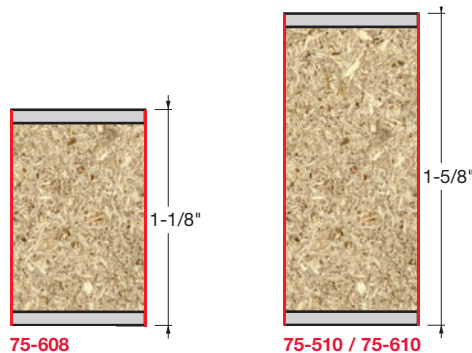
Premier Solid Carbide Chipbreaker Spiral Bits



STRAIGHT, SPIRAL & TRIM BITS

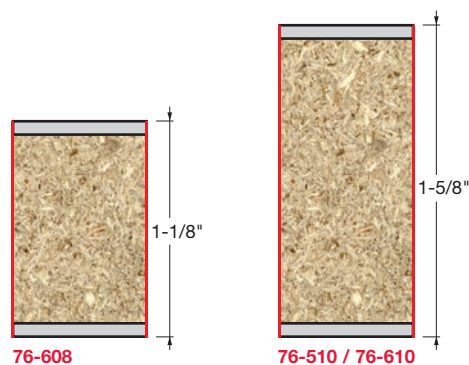
Up Spiral Bits

ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
Double Flute				
75-510*	1/2"	1-5/8"	1/2"	3-1/2"
Triple Flute				
75-608*	1/2"	1-1/8"	1/2"	3"
75-610*	1/2"	1-5/8"	1/2"	3-1/2"



Down Spiral Bits

ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
Double Flute				
76-510*	1/2"	1-5/8"	1/2"	3-1/2"
Triple Flute				
76-608*	1/2"	1-1/8"	1/2"	3"
76-610*	1/2"	1-5/8"	1/2"	3-1/2"



USE IN



Table Router



Hand Router



CNC

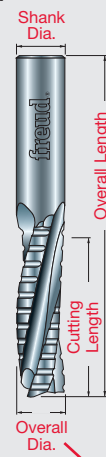
APPLICATION

Fast cutting applications in hard materials. Upcut spirals provide smooth finish on bottom surface, and pull chips out of the kerf. Downcut spirals provide smooth finish on the top surface of panels.

MATERIALS



Up Spiral Bits



Down Spiral Bits



Double Flute

or



Triple Flute

CONTINUES on page 107

STRAIGHT, SPIRAL & TRIM BITS

Premier Solid Carbide O-Flute Spiral Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

Delivers cooler cuts in plastic to avoid melting, thus producing smooth finish on solid surface as well as plastic. Downcut spiral provides perfect top surface. Upcut spiral clears chips fast and provides perfect bottom surface.

MATERIALS



Hardwood Softwood Plywood



Plastic

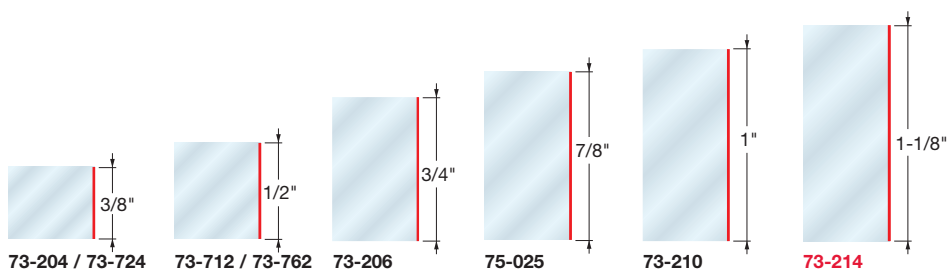


Laminate



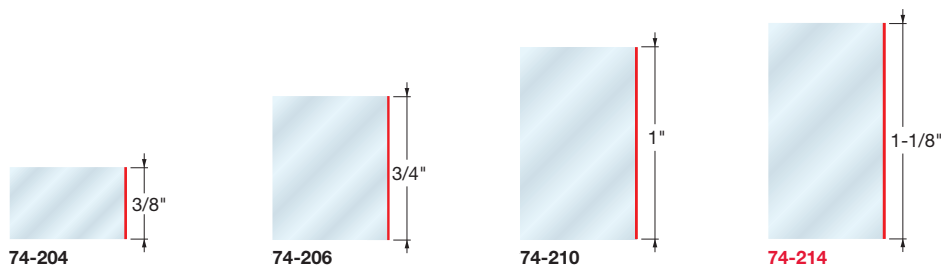
Up Spiral Bits

ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	NUMBER OF FLUTES	SHANK DIA.	OVERALL LENGTH
73-712*	1/8"	1/2"	1	1/4"	2"
73-724*	1/4"	3/8"	1	1/4"	2"
73-762*	1/8"	1/2"	1	1/4"	2"
75-025*	1/4"	7/8"	1	1/4"	2-1/2"
Double Flute					
73-204*	1/4"	3/8"	2	1/4"	2-1/2"
73-206*	1/4"	3/4"	2	1/4"	1-1/2"
73-210*	3/8"	1"	2	3/8"	3"
73-214*	1/2"	1-1/8"	2	1/2"	3-1/2"



Down Spiral Bits

ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
74-204*	1/4"	3/8"	1/4"	3"
74-206*	1/4"	3/4"	1/4"	2-1/2"
74-210*	3/8"	1"	3/8"	3"
74-214*	1/2"	1-1/8"	1/2"	3-1/2"



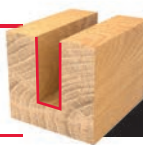
Up Spiral Bits



Down Spiral Bits



Premier Solid Carbide O-Flute Straight Bits



STRAIGHT, SPIRAL & TRIM BITS

ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	NUMBER OF FLUTES	SHANK DIA.	OVERALL LENGTH
Single Flute					
71-040*	1/8"	1/2"	1	1/4"	2"
71-060*	3/16"	3/4"	1	1/4"	2"
71-080*	1/4"	3/4"	1	1/4"	2-1/2"
71-100*	5/16"	13/16"	1	3/8"	2-1/2"
71-120*	3/8"	7/8"	1	3/8"	2-1/2"



USE IN



Table Router



Hand Router

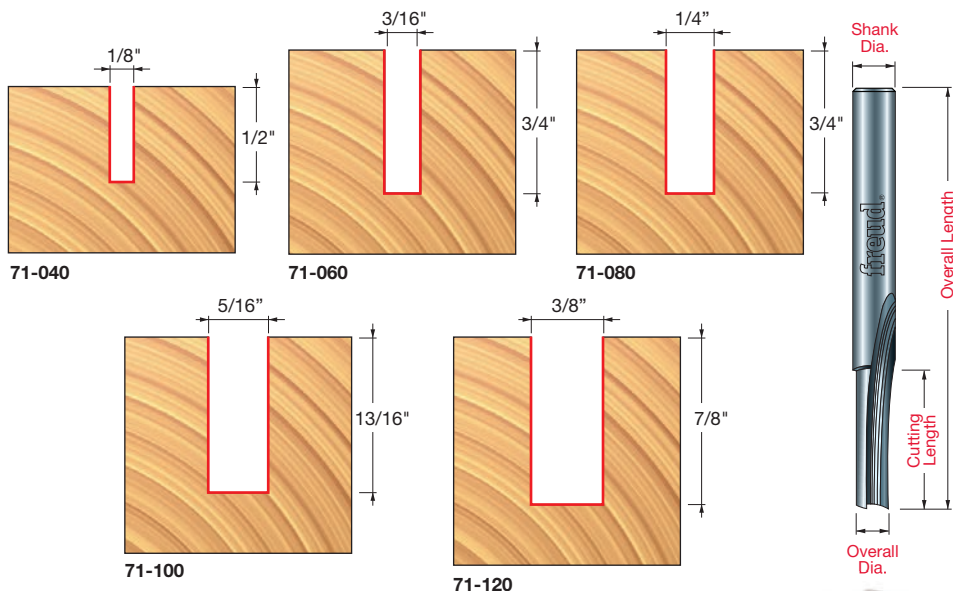


CNC

APPLICATION

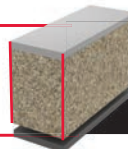
"Mirror" polished, reducing heat to give the ultimate in life with less welding or recutting of chips. Provides a clean ultra smooth, ready to use finished edge on intricate detail works

MATERIALS



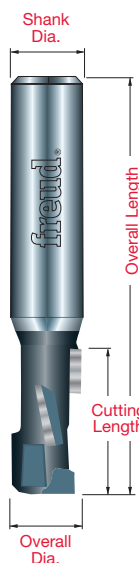
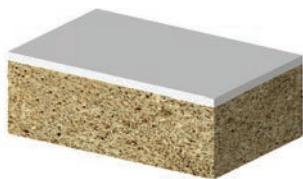
ROUTER BITS

Diamond Compression Bits



STRAIGHT, SPIRAL & TRIM BITS

ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
Single Flute				
78-116	1/2"	1"	1/2"	2-7/8"
78-136	5/8"	1"	1/2"	2-7/8"



USE IN



Table Router



Hand Router



CNC

APPLICATION

Fast, chip-free cutting in double sided laminates through extremely durable diamond-impregnated tips

MATERIALS

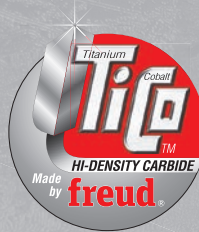


BLACK I.C.E.[™] ROUTER BITS

THE SLICKEST TECHNOLOGY IN
SOLID CARBIDE ROUTER BITS



BLACK I.C.E.[™] (INDUSTRIAL COOLING ELEMENT) protects solid carbide cutting edge by creating a slick, lubricant like action for a cool cutting edge and superior chip evacuation.



EXCLUSIVE FREUD TICO[™] HI-DENSITY CARBIDE provides a sharper edge and flawless finish for less wear and **2X longer cutting life.**



2X CUTTING LIFE = 2X THE PRODUCTIVITY

MULTI-AXIS GRINDING provides consistent relief angles on the entire cutting edge, which reduces burning and provides **2x the finish quality.**

OPEN FLUTE GEOMETRY allows for up to **2x the resharpenings** versus existing designs on the market, resulting in increased productivity and profits. By increasing the number of times the tool can be resharpened, Freud increases the overall working life of every solid carbide bit.



**2X THE PERFORMANCE.
2X THE PRODUCTIVITY.**

vs. standard uncoated bits

Premier Solid Carbide Chipbreaker Spiral Bits

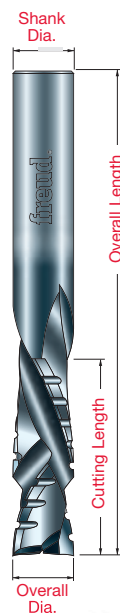
CONTINUED from page 103

Double Compression Spiral Bits

ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
77-610	1/2"	1-5/8"	1/2"	4"



77-610



USE IN



Table Router



Hand Router



CNC

APPLICATION

Combination of up and down shear flutes eliminates chipping on both sides of double-sided panels

MATERIALS



Hardwood



Softwood



Veneer



Melamine

ROUTER BITS

Premier Solid Carbide 1-Flute Compression Bit

ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH	UPCUT LENGTH
77-102	1/4"	7/8"	1/4"	2-1/2"	11/32"
77-104	3/8"	1-1/8"	3/8"	3"	11/32"
77-106*	3/8"	1-1/4"	1/2"	3"	11/32"
77-108	1/2"	1-1/4"	1/2"	3"	1/32"
77-109	1/2"	1-1/2"	1/2"	3-1/2"	1/32"



77-102



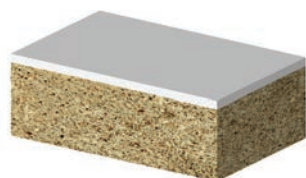
77-104



77-106 / 77-108



77-109



USE IN



Table Router



Hand Router



CNC

APPLICATION

Fast, chip-free routing through combination of up and down shear flutes on both sides of double-sided veneers or laminated materials

MATERIALS



Hardwood



Softwood



Veneers



OSB



Plywood



Laminate

* Not Black ICE Coated

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

STRAIGHT, SPIRAL & TRIM BITS



Premier Solid Carbide 2-Flute Compression Bit

USE IN



Table Router



Hand Router



CNC



APPLICATION

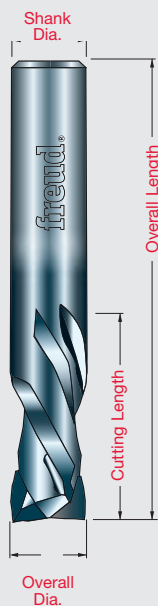
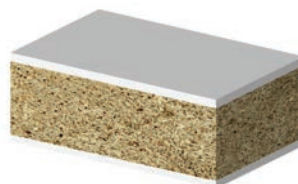
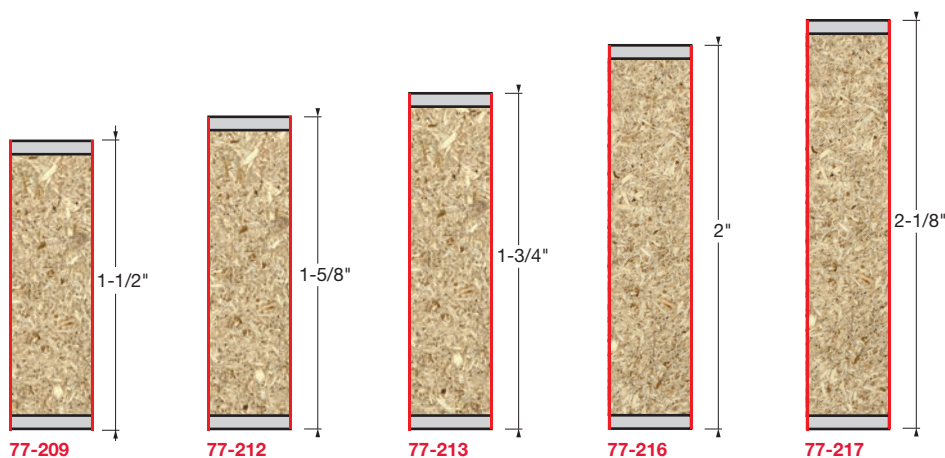
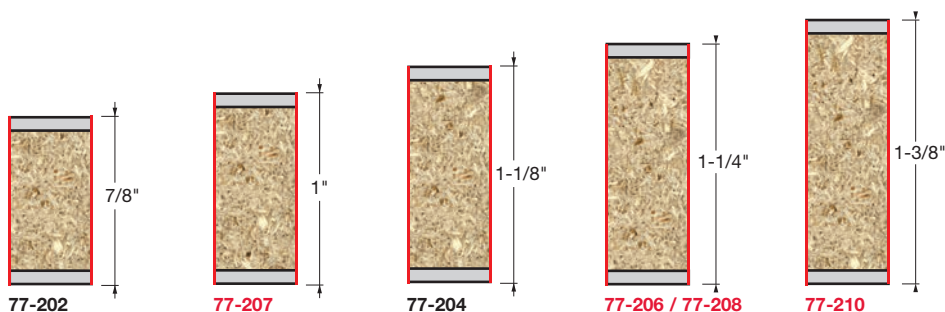
Fine finish, chip-free routing through combination of up and down shear flutes on both sides of double-sided veneers or laminated materials.

MATERIALS

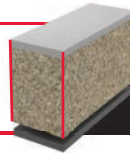


ROUTER BITS

ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH	UPCUT LENGTH
77-202	1/4"	7/8"	1/4"	2-1/2"	11/32"
77-204	3/8"	1-1/8"	3/8"	3"	11/32"
77-206*	3/8"	1-1/4"	1/2"	3"	11/32"
77-207	1/2"	1"	1/2"	3"	1/2"
77-208	1/2"	1-1/4"	1/2"	3"	11/32"
77-209	1/2"	1-1/2"	1/2"	3-1/2"	11/32"
77-210	1/2"	1 3/8"	1/2"	3 1/2"	5/8"
77-212	1/2"	1-5/8"	1/2"	4"	11/32"
77-213	1/2"	1 3/4"	1/2"	3 1/2"	11/32"
77-216	1/2"	2"	1/2"	4"	11/32"
77-217	1/2"	2 1/8"	1/2"	4"	3/4"



Premier Solid Carbide 3-Flute Compression Bit



STRAIGHT, SPIRAL & TRIM BITS

ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH	UPCUT LENGTH
77-306	3/8"	1 1/4"	3/8"	3"	1/2"
77-307	1/2"	1"	1/2"	3"	1/2"
77-308	1/2"	1-1/8"	1/2"	3"	1/2"
77-310	1/2"	1 3/8"	1/2"	3 1/2"	5/8"
77-312	1/2"	1-5/8"	1/2"	3-1/2"	1/2"
77-313	1/2"	1 3/4"	1/2"	3 1/2"	3/4"



USE IN



Table Router

Hand Router

CNC

APPLICATION

Ultra fine finish on both top and bottom surface, and fast cut in double sided veneers, laminates and solid hardwood and softwood

MATERIALS

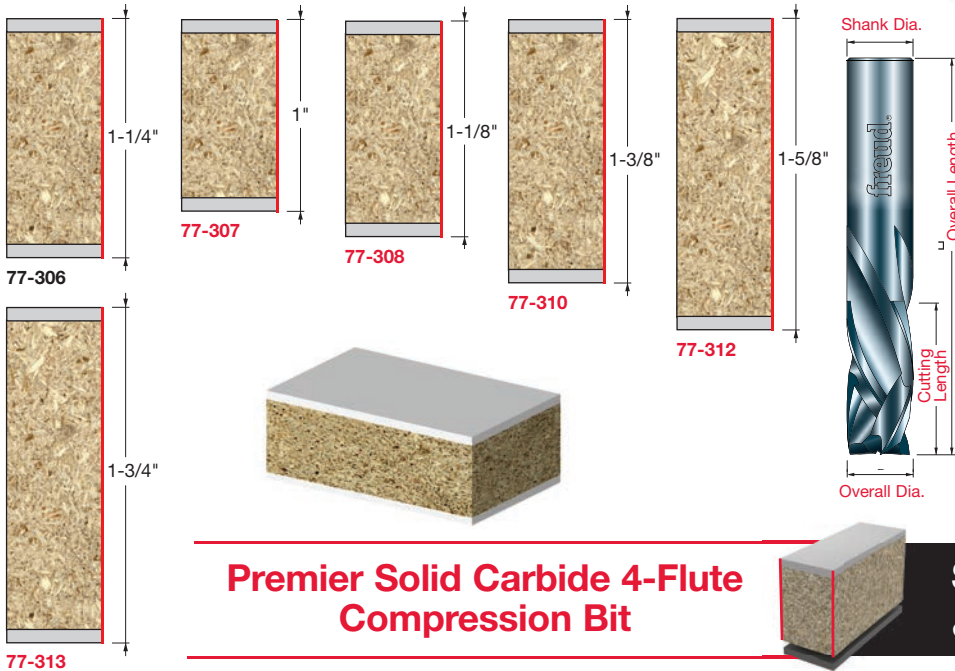


Hardwood

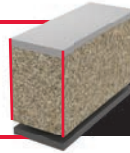
Softwood

Veneer

Laminate



Premier Solid Carbide 4-Flute Compression Bit



STRAIGHT, SPIRAL & TRIM BITS

ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH	UPCUT LENGTH
77-707	1/2"	1"	1/2"	3"	1/2"
77-710	1/2"	1 3/8"	1/2"	3 1/2"	5/8"
77-713	1/2"	1 3/4"	1/2"	3 1/2"	3/4"



USE IN



Table Router

Hand Router

CNC

APPLICATION

Ultra fine finish on both top and bottom surface, and fast cut in double sided veneers, laminates and solid hardwood and softwood

MATERIALS

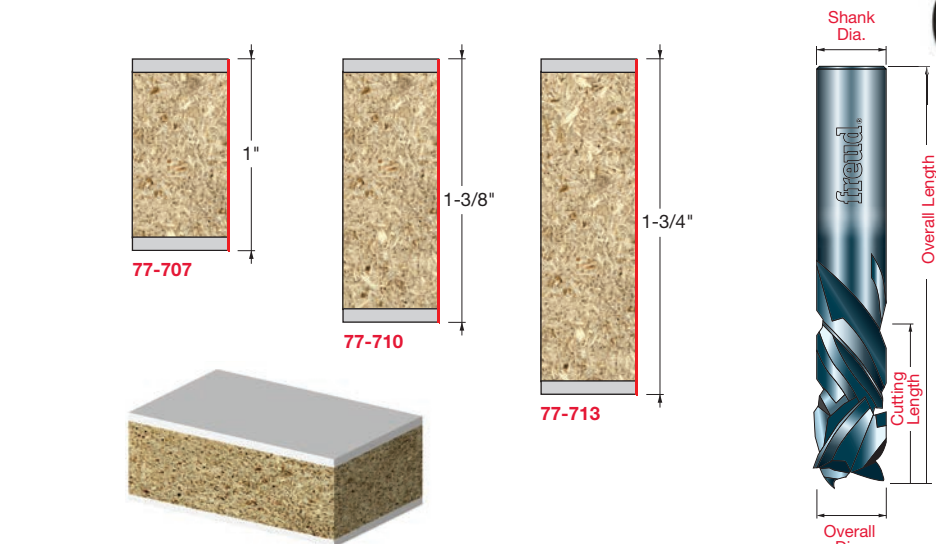


Hardwood

Softwood

Veneer

Laminate



i When used in a CNC, the triple flute design allows very fast feed rates and high RPM.

STRAIGHT, SPIRAL & TRIM BITS



Premier Solid Carbide Mortise Compression Spiral Bits

USE IN



Table Router



Hand Router



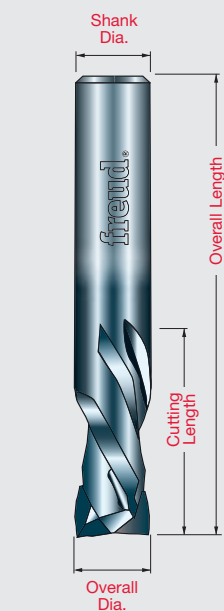
CNC



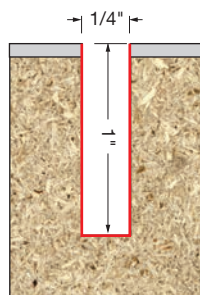
APPLICATION

Shorter up shear length and combination of up and down shear flutes allows bit to be used for grooves and mortises without chipping top surface. Also ideal for through cuts in double sided sheets that are 5/8" thick or less.

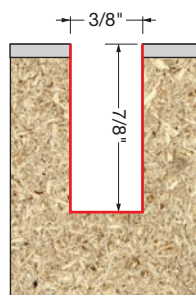
MATERIALS



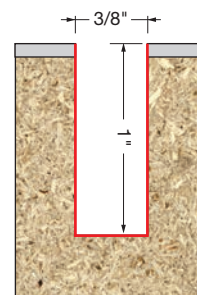
ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	NUMBER OF FLUTES	SHANK DIA.	OVERALL LENGTH	UPCUT LENGTH
Single Flute						
77-404	3/8"	1"	1	3/8"	3"	13/64"
77-408	1/2"	7/8"	1	1/2"	3"	15/64"
77-410	1/2"	1-3/8"	1	1/2"	3-1/2"	15/64"
Double Flute (extra clean cuts at faster feed rates)						
77-504	3/8"	1"	2	3/8"	3"	13/64"
77-508	1/2"	7/8"	2	1/2"	3"	15/64"
77-509	1/2"	1-1/4"	2	1/2"	3 1/2"	1/4"
77-510	1/2"	1-3/8"	2	1/2"	3-1/2"	5/16"
77-610	1/2"	1-5/8"	2	1/2"	3-1/2"	11/32"
77-614	1/2"	2-1/4"	2	1/2"	4"	1/2"
Triple Flute						
77-602	1/4"	1"	3	1/4"	3"	3/16"
77-603	3/8"	7/8"	3	3/8"	3"	1/4"
77-604	3/8"	1"	3	3/8"	3"	13/64"
77-605	3/8"	1-1/4"	3	3/8"	3"	1/4"
77-608	1/2"	1"	3	1/2"	3"	7/32"
77-610	1/2"	1-5/8"	3	1/2"	4"	1/32"
77-620	1/2"	1-3/8"	3	1/2"	3-1/2"	7/32"
77-622	1/2"	1-5/8"	3	1/2"	3-1/2"	7/32"
77-624	1/2"	2-1/4"	3	1/2"	4"	1/2"
Quadruple Flute						
77-807	1/2"	1"	4	1/2"	3"	1/4"
77-822	1/2"	1-5/8"	4	1/2"	3-1/2"	1/4"



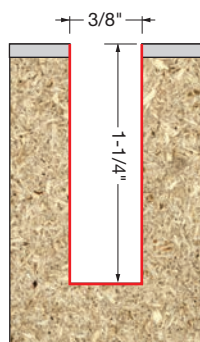
77-602



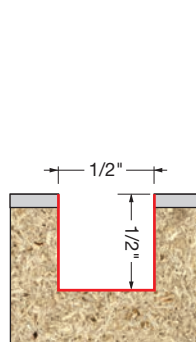
77-603



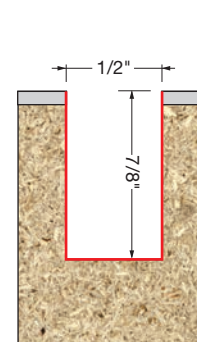
77-404 / 77-504 / 77-604



77-605



77-508



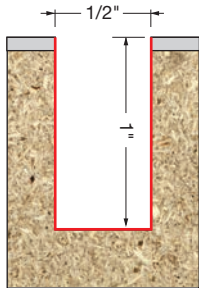
77-408

Premier Solid Carbide Mortise Compression Spiral Bits

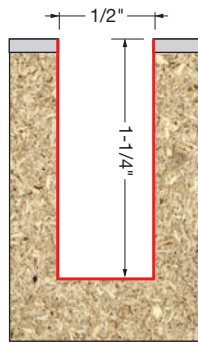


STRAIGHT, SPIRAL & TRIM BITS

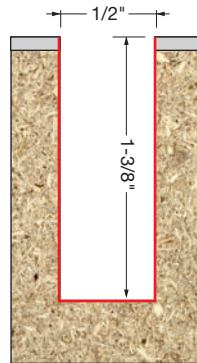
CONTINUED



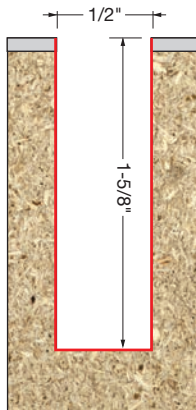
77-608 / 77-807



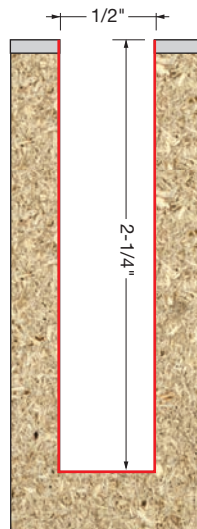
77-509



77-410 / 77-510 / 77-620



77-610 / 77-622 / 77-822



77-614 / 77-624



USE IN



Table Router



Hand Router



CNC

APPLICATION

Shorter up shear length and combination of up and down shear flutes allows bit to be used for grooves and mortises without chipping top surface. Also ideal for through cuts in double sided sheets that are 5/8" thick or less.

MATERIALS



Hardwood Softwood Veneers
OSB Plywood Melamine

ROUTER BITS

STRAIGHT, SPIRAL & TRIM BITS



Solid Carbide Flush Trim Bits

USE IN



Hand Router

APPLICATION

Cutting plastic laminate quickly and cleanly. Solid micrograin carbide extends the cutting life and the self-piloting feature eliminates the expense and upkeep of a ball bearing assembly.

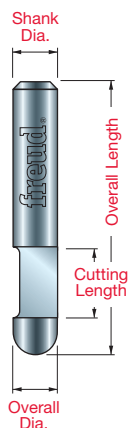
MATERIALS



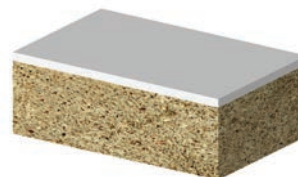
Laminates



ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
64-100*	1/4"	3/8"	1/4"	1-1/2"
Bulk Pack (100 Pieces)				
64-100A*	1/4"	3/8"	1/4"	1-1/2"



04-100



STRAIGHT, SPIRAL & TRIM BITS



Panel Pilot Bits

USE IN



Hand Router

APPLICATION

Template work & cutting openings in paneling, siding, etc. The drill through point allows self-starting, and the pilot acts as a guide for template work.

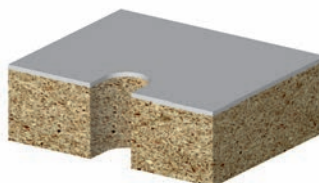
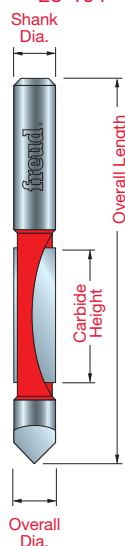
MATERIALS



Hardwood Softwood

OSB Plywood

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	NUMBER OF FLUTES	OVERALL LENGTH
Single Flute					
26-100	1/4"	3/4"	1/4"	1	2-1/4"
26-104	1/2"	1-1/4"	1/2"	1	3-3/4"
70-100*	1/4"	1/4"	1/4"	1	1-5/8"
Double Flute					
28-100	3/8"	1"	1/4"	2	3"
28-104	1/2"	1-1/4"	1/2"	2	3-3/4"



CNC ONLY

Super Hook Straight Bits



STRAIGHT, SPIRAL & TRIM BITS

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
13-122	1/2"	1-1/2"	1/2"	3"
13-142	5/8"	2"	1/2"	3-3/4"



USE IN

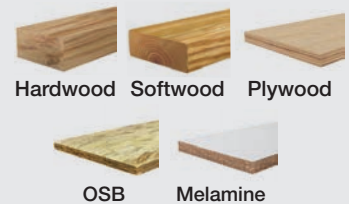


CNC

APPLICATION

Extra fine finish on laminated surfaces. Up to 4** times the life* of conventional straight bits in melamine and other abrasive composites.

MATERIALS



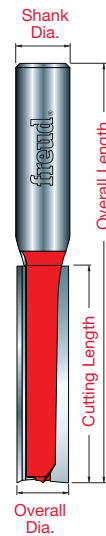
** Measured using a CNC router in controlled comparison of cuts in melamine.

ROUTER BITS

13-122



13-142



Downshear Helix Flush Trim Bits



STRAIGHT, SPIRAL & TRIM BITS

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
42-202	3/4"	3/4"	1"	1/2"	3-1/8"
42-310*	3/4"	3/4"	1"	1/2"	3"
42-204	3/4"	3/4"	2"	1/2"	4-1/8"

USE IN



Table Router

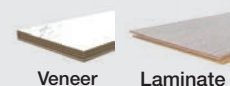


Hand Router

APPLICATION

Trimming laminate counter tops and doing pattern work. Downcut spiral design produces an extra-clean top edge on delicate surfaces. Downshear cutting angle produces a slicing action for chip-free, splinter-free cuts and delivers easier, smooth cuts in thick materials.

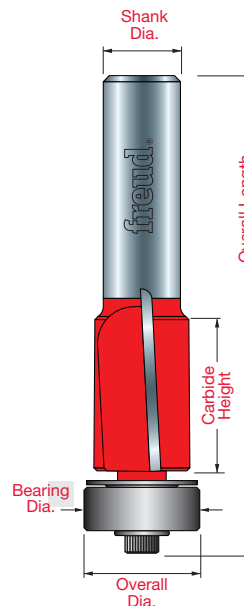
MATERIALS



42-202 / 42-310



42-204

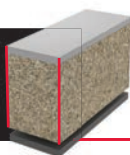


* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

STRAIGHT, SPIRAL & TRIM BITS



Flush Trim Spiral Bits

USE IN



Table Router Hand Router

APPLICATION

Perfect for any flush trim or pattern application, especially in abrasive materials like melamine or solid surface. Continuous spiral cutting action produces a super-smooth cut. Up-cut spiral design clears chips fast. Downcut spiral design produces an extra-clean top edge on delicate surfaces.



TICO™ CARBIDE BLEND delivers extremely long life in wood or abrasive materials.

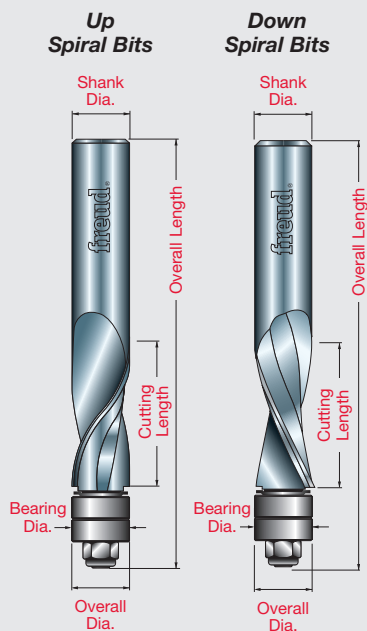
MATERIALS



Hardwood Softwood

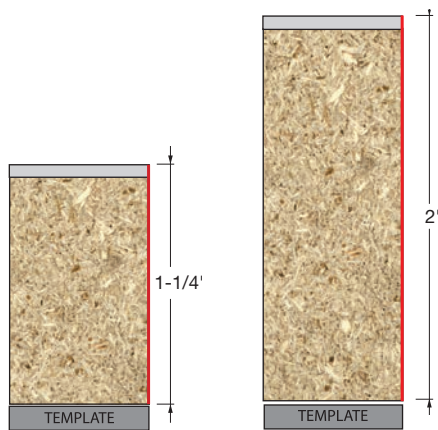


Veneer Melamine



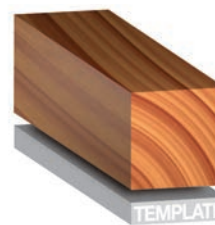
Upcut Spiral Bits

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
75-508	1/2"	1/2"	1-1/4"	1/2"	3-3/4"
75-509	1/2"	1/2"	2"	1/2"	4-3/4"



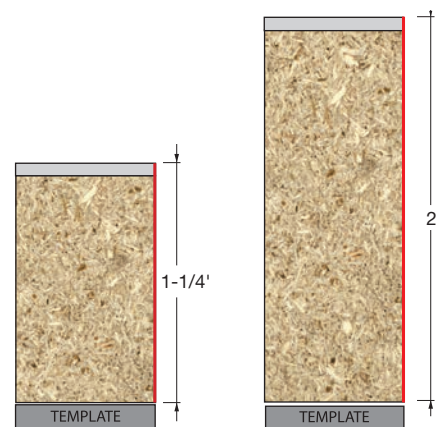
77-508

77-509



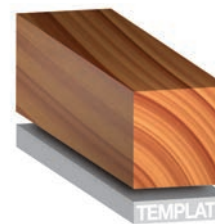
Downcut Spiral Bits

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
76-508	1/2"	1/2"	1-1/4"	1/2"	3-3/4"
76-509	1/2"	1/2"	2"	1/2"	4-3/4"



76-508

76-509



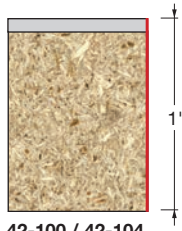
Bearing Flush Trim Bits

STRAIGHT, SPIRAL & TRIM BITS

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CUTTING LENGTH	NUMBER OF FLUTES	SHANK DIA.	OVERALL LENGTH
Double Flute						
42-080	7/8"	7/8"	1"	2	1/4"	3"
42-090	3/4"	3/4"	1"	2	1/4"	2-15/16"
42-100	3/8"	3/8"	1"	2	1/4"	2-13/16"
42-102	3/8"	3/8"	1/2"	2	1/4"	2-13/32"
42-104	1/2"	1/2"	1"	2	1/4"	2-13/16"
42-106	1/2"	1/2"	1/2"	2	1/4"	2-1/8"
42-108	1/2"	1/2"	1"	2	3/8"	2-15/16"
42-109	1/2"	1/2"	1/2"	2	1/2"	2-7/8"
42-110	1/2"	1/2"	1"	2	1/2"	3-1/4"
42-114	1/2"	1/2"	1-1/2"	2	1/2"	3-5/8"
42-116	1/2"	1/2"	2"	2	1/2"	4-3/8"
42-118	3/4"	3/4"	1"	2	1/2"	3-1/4"
Triple Flute						
44-100	1/2"	1/2"	1"	3	1/4"	2-13/16"
44-102	1/2"	1/2"	1/2"	3	1/4"	2-1/8"
44-104	1/2"	1/2"	1"	3	1/2"	3-1/4"
44-108	1/2"	1/2"	1-1/2"	3	1/2"	3-5/8"



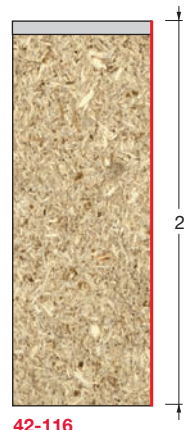
42-102 / 42-106
42-109 / 44-102



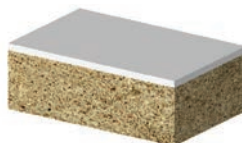
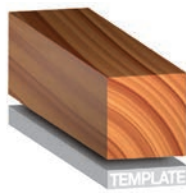
42-100 / 42-104
42-108 / 42-110
44-100 / 44-104
42-090 / 42-118
42-080



42-114 / 44-108



42-116



USE IN



Table Router



Hand Router

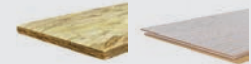
APPLICATION

Trimming laminate counter tops and doing pattern work. These are the bits to rely on for a smooth, burn-free cut. Two flutes provide faster cutting and three flutes yield a superior finish.

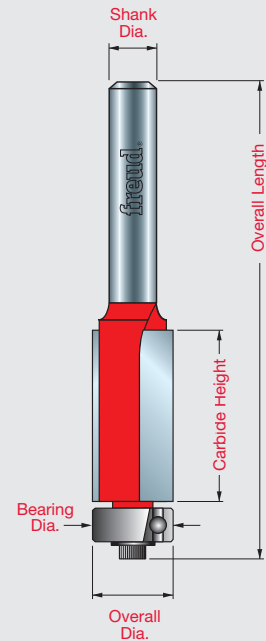
MATERIALS



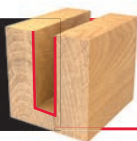
Hardwood Softwood Plywood



OSB Laminate



STRAIGHT, SPIRAL & TRIM BITS



Top Bearing Flush Trim Bits

USE IN



Table Router Hand Router

APPLICATION

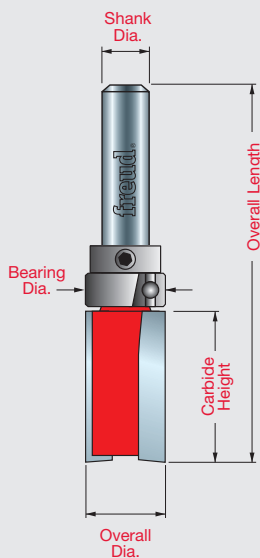
Template work and lettering. The top mounted bearings on these bits make them ideal for lettering and other template work where the work piece is being grooved or routed out.

MATERIALS

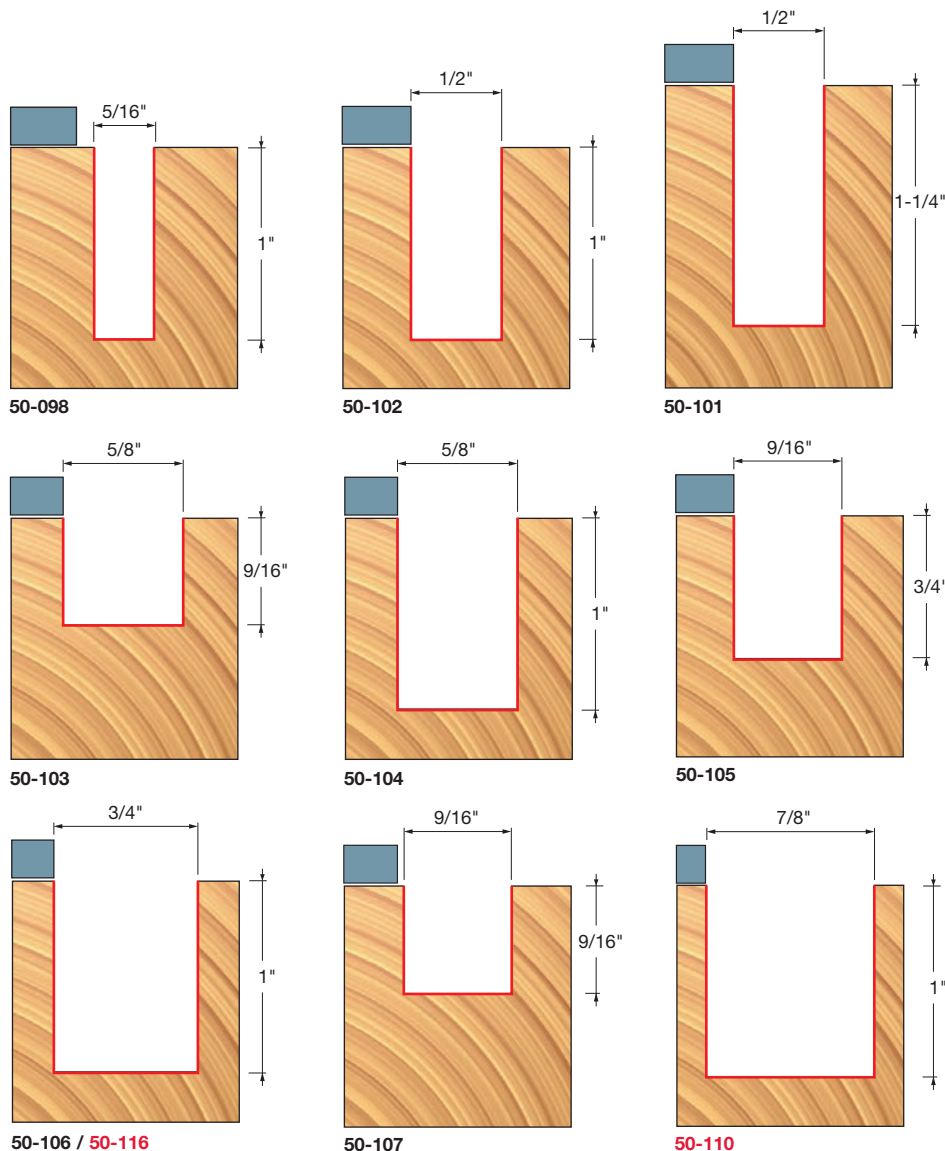


Hardwood Softwood

OSB Plywood



ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
50-098*	5/16"	1/2"	1"	1/4"	2-23/32"
50-101	1/2"	1/2"	1-1/4"	1/4"	2-1/2"
50-102	1/2"	1/2"	1"	1/4"	2-5/8"
50-103	5/8"	5/8"	9/16"	1/4"	2-1/4"
50-104	5/8"	5/8"	1"	1/4"	2-5/8"
50-105	9/16"	9/16"	3/4"	1/4"	2-5/16"
50-106	3/4"	3/4"	1"	1/4"	2-5/8"
50-107	9/16"	5/8"	9/16"	1/4"	2-5/16"
50-110	7/8"	7/8"	1"	1/2"	2-13/16"
50-112	1"	1"	1"	1/2"	2-3/4"
50-116	3/4"	3/4"	1"	1/2"	2-13/16"
50-118	3/4"	3/4"	1-3/4"	1/2"	3-1/2"
50-122	1-1/8"	1-1/8"	1-1/2"	1/2"	3-3/8"
50-126	1-1/4"	1-1/4"	1-1/2"	1/2"	3-3/8"
50-130	1-1/2"	1-1/2"	1-3/4"	1/2"	3-3/4"
50-138	2"	2"	2"	1/2"	4"



* This bit has an oversized bearing to work for various jigs.

Red Item Numbers Indicate 1/2" Shank

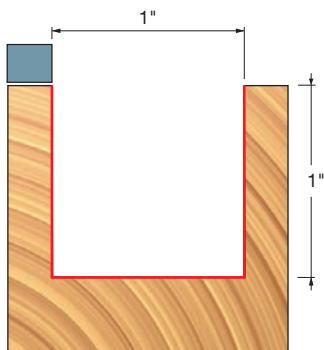
All Profile Drawings 1:1 Scale

Top Bearing Flush Trim Bits

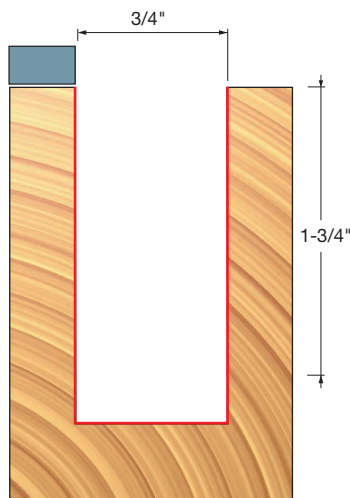


STRAIGHT, SPIRAL & TRIM BITS

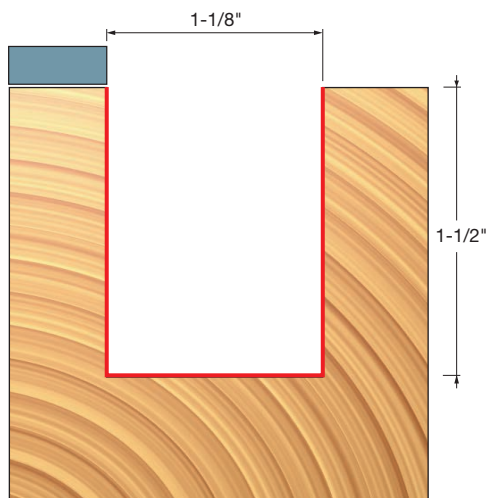
CONTINUED from page 103



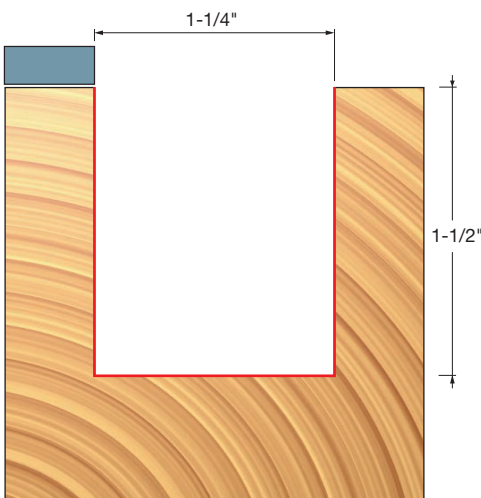
50-112



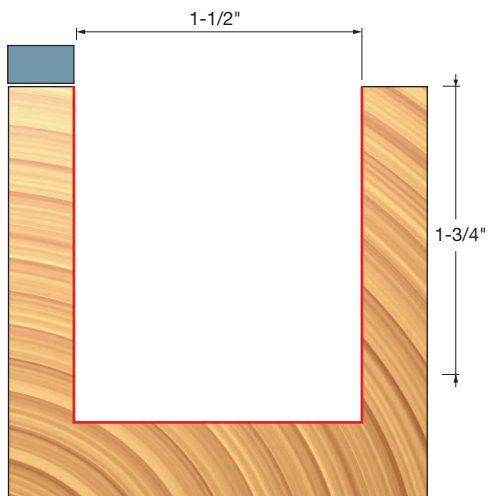
50-118



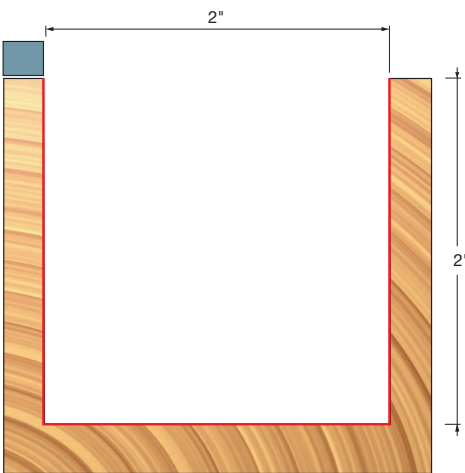
50-122



50-126



50-130



50-138

USE IN

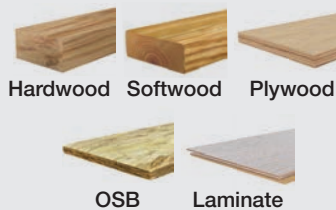


Table Router Hand Router

APPLICATION

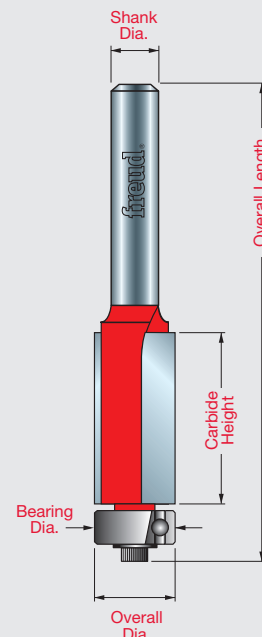
Trimming laminate counter tops and doing pattern work. These are the bits to rely on for a smooth, burn-free cut. Two flutes provide faster cutting and three flutes yield a superior finish.

MATERIALS



Hardwood Softwood Plywood

OSB Laminate



STRAIGHT, SPIRAL & TRIM BITS



Top & Bottom Bearing Flush Trim Bit

USE IN



Table Router Hand Router

APPLICATION

Trimming laminate counter tops and doing pattern work. Double bearing design allows you to choose the cutting direction. Lets you rout half the curve in one direction, flip the work piece over and rout the other half in the opposite direction without repositioning your pattern.

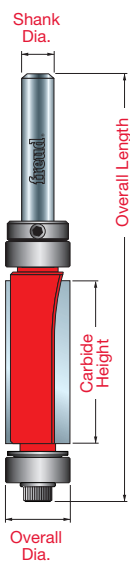
MATERIALS



Hardwood Softwood

Veneer Laminate

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
50-501	1/2"	1/2"	1-1/4"	1/4"	3-5/16"
50-509	3/4"	3/4"	1-5/8"	1/2"	3-7/8"

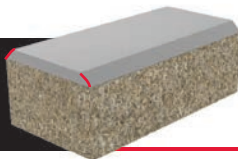


50-501



50-509

STRAIGHT, SPIRAL & TRIM BITS



Bevel Trim Bits

USE IN



Table Router Hand Router

APPLICATION

Cutting bevels in plastic laminates for a clean, finished edge

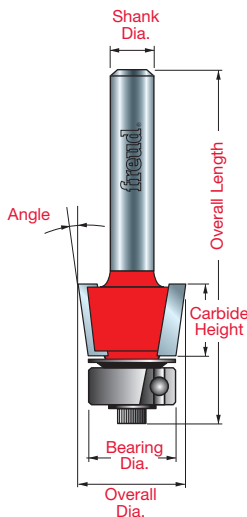
MATERIALS



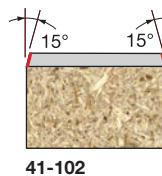
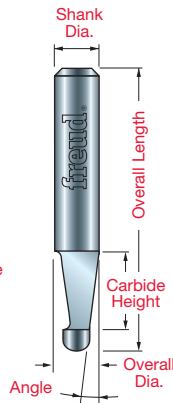
Hardwood Softwood

OSB Plywood

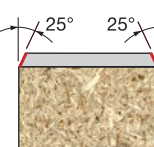
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
41-102	19/32"	1/2"	9/32"	15°	1/4"	1-7/8"
41-104	19/32"	1/2"	9/32"	25°	1/4"	1-7/8"
41-106	31/32"	1/2"	1/4"	45°	1/4"	1-7/8"
41-108	25/32"	3/8"	29/64"	25°	1/4"	1-15/16"
41-110	9/16"	1/2"	13/32"	8°	1/4"	2"
66-100*	1/4"	3/16"	1/4"	7°	1/4"	1-1/2"
Bulk Pack (100 Pieces of #66-100)						
66-100A*	1/4"	3/16"	1/4"	7°	1/4"	1-1/2"



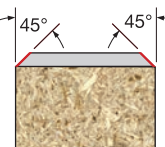
66-100A



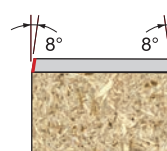
41-102



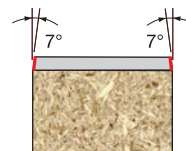
41-104 / 41-108



41-106

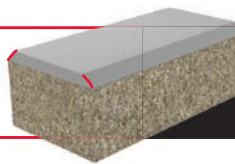


41-110



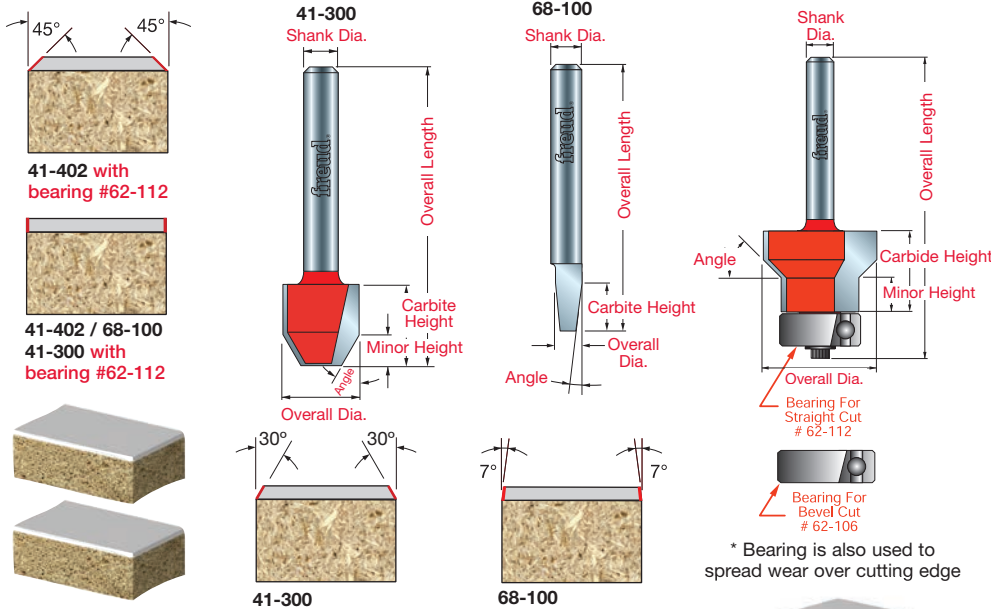
66-100 / 66-100A

Flush & Bevel Trim Bits



STRAIGHT, SPIRAL & TRIM BITS

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
41-300	15/32"	1/2"	3/16"	30°	1/4"	1-25/32"
41-402	7/8"	5/8"	39/64"	45°	1/4"	2-1/4"
68-100*	1/4"	3/8"	11/64"	7°	1/4"	1-1/2"



USE IN



APPLICATION

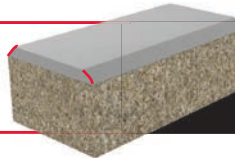
Trimming plastic laminate with straight or beveled edge on a router equipped with a guide system. Bit 41-402 is self-guided and comes with two bearings that spread wear evenly on the cutting edge and allow the bit to straight trim or create a 45° bevel.

MATERIALS



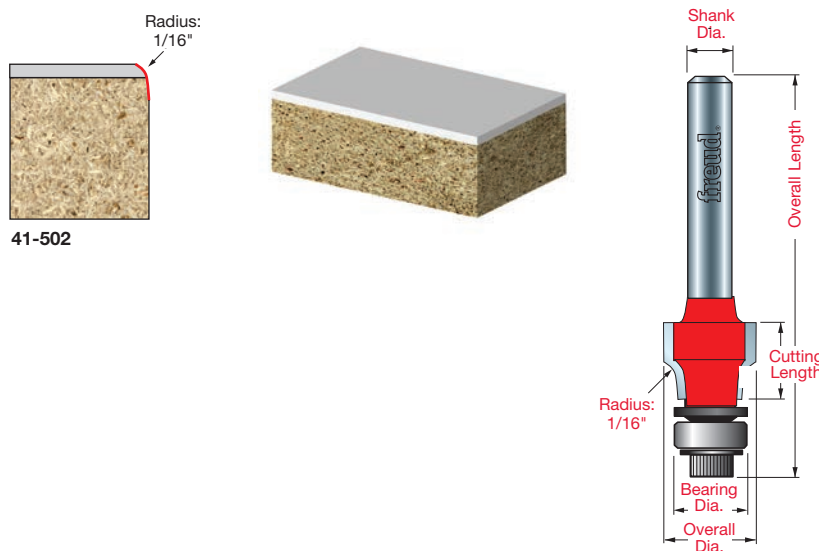
ROUTER BITS

Radius Laminate Trim Bit



STRAIGHT, SPIRAL & TRIM BITS

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
41-502	1/2"	3/8"	1/16"	1/4"	2"



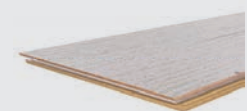
USE IN



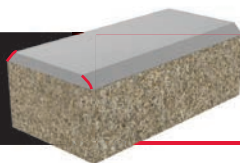
APPLICATION

Rounds plastic laminate edges flush and rounded in a single pass-reducing time and aggravation. Unique cutting geometry produces an ultra-smooth finish on laminate edges.

MATERIALS



STRAIGHT, SPIRAL & TRIM BITS



Insert Bevel Trim Bits

USE IN

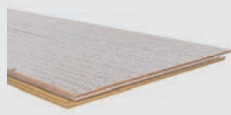


Table Router Hand Router

APPLICATION

Creating a clean, beveled edge for plastic laminate. Replacement throwaway knives (CG01MBA3) can be rotated for multiple cutting edges so you always have a sharp edge.

MATERIALS

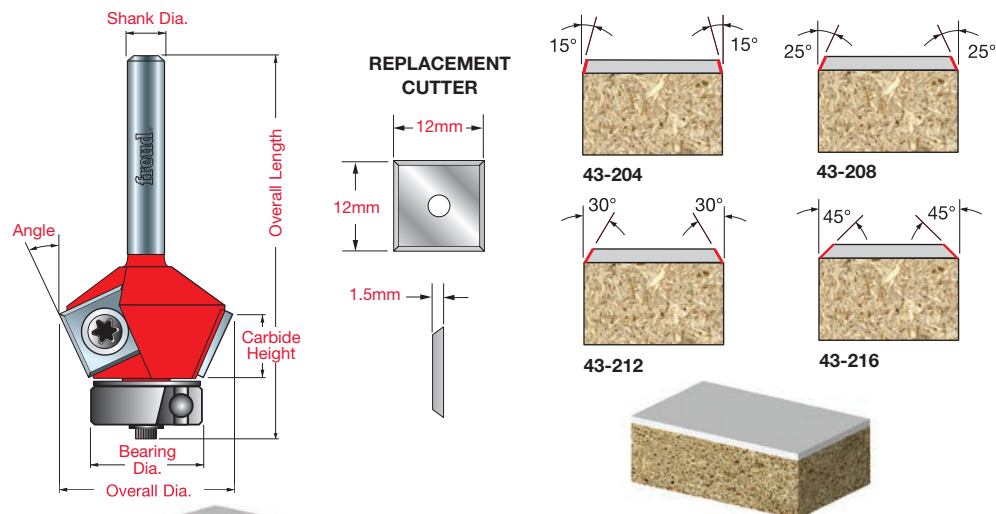


Plastic Laminate

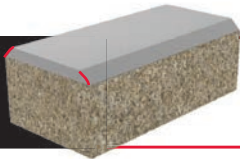
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
43-204	15/16"	3/4"	29/64"	15°	1/4"	2-1/4"
43-208	1-1/8"	3/4"	7/16"	25°	1/4"	2-1/4"
43-212	1-11/64"	3/4"	13/32"	30°	1/4"	2-5/16"
43-216	1-23/64"	3/4"	15/64"	45°	1/4"	2-5/8"

Replacement Cutters

CG01MBA3	12mm (length) x 12mm (height) x 1.5mm (thick)	4 Cutting Edges
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STRAIGHT, SPIRAL & TRIM BITS



Laminate Miter Joint Bits

USE IN

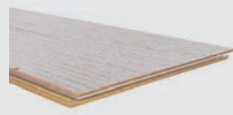


Table Router Hand Router

APPLICATION

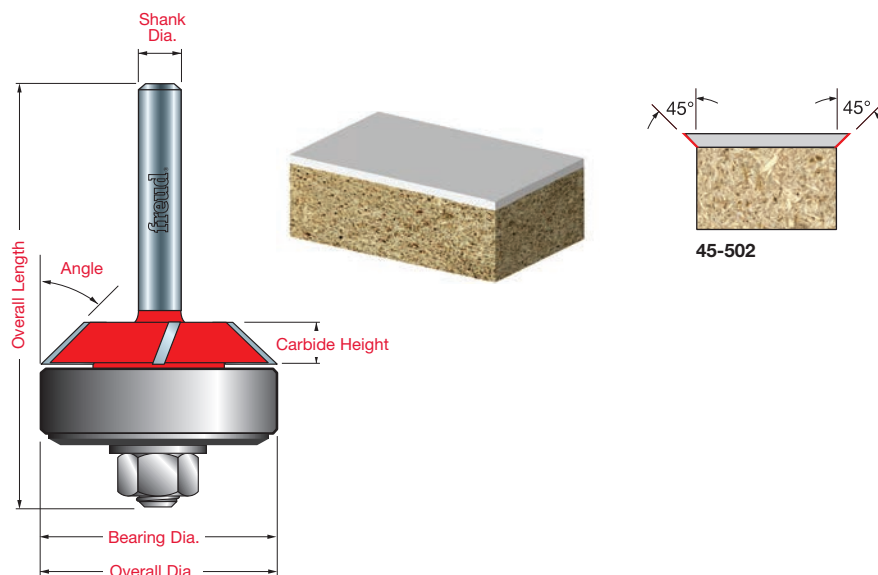
Cut plastic laminates quickly and cleanly and help eliminate the dark line often seen on the edge of counter tops by producing 45° miter joints

MATERIALS

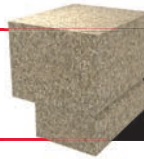


Plastic Laminate

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
45-502	1-3/8"	1-3/8"	1/4"	45°	1/4"	2-3/8"

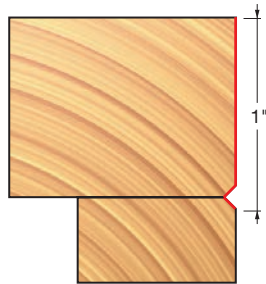


Flush Trim "V" Groove Bits



STRAIGHT, SPIRAL & TRIM BITS

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
48-102	5/8"	1/2"	1/2"	1"	1/4"	2-13/16"
48-112	5/8"	1/2"	1/2"	1"	1/2"	3-1/4"



48-102 / 48-112

USE IN



Table Router



Hand Router

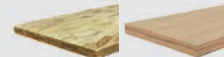
APPLICATION

Adds small, decorative "V" groove while bringing a cabinet frame flush with the front of the cabinet, or trimming a laminated top

MATERIALS

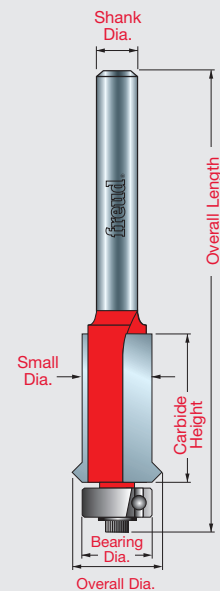


Hardwood Softwood

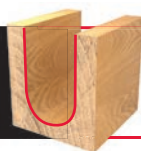


OSB Plywood

ROUTER BITS



EDGE TREATMENT & GROOVING BITS



Round Nose Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

Fluted millwork, signs and decorative veining. Add a personal touch to cabinet doors, drawer fronts, and fluted millwork, or use these bits to engrave wood signs.

MATERIALS



Hardwood



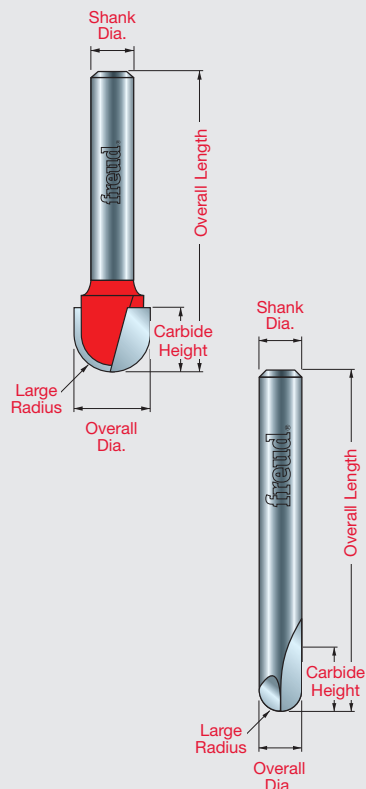
Softwood



MDF



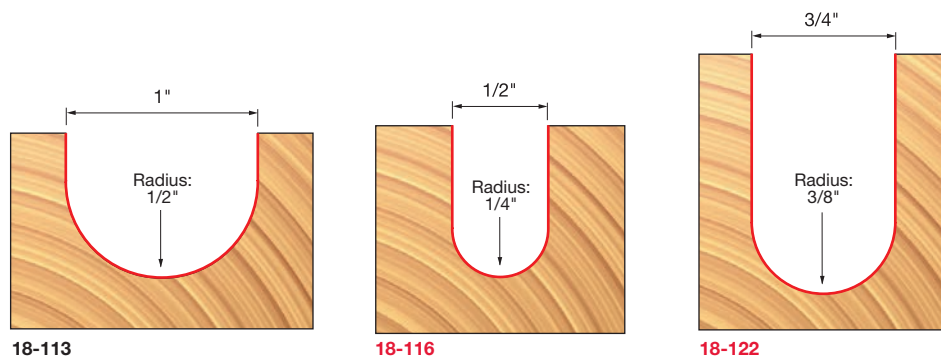
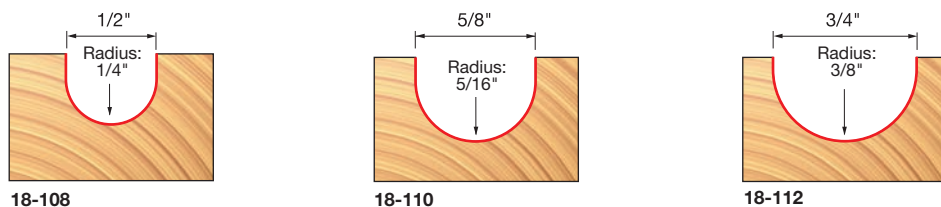
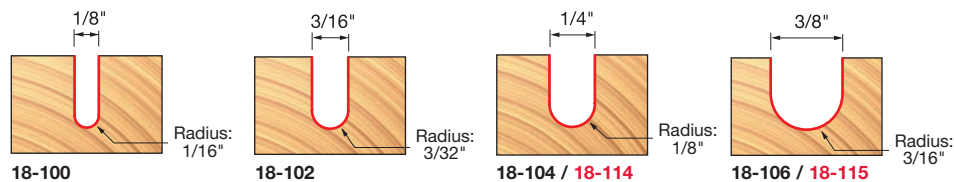
Plywood



ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	RADIUS	SHANK DIA.	OVERALL LENGTH
18-100*	1/8"	3/8"	1/16"	1/4"	2"
18-102*	3/16"	3/8"	3/32"	1/4"	2"
18-104*	1/4"	3/8"	1/8"	1/4"	2"
18-106	3/8"	3/8"	3/16"	1/4"	1-13/16"
18-108	1/2"	3/8"	1/4"	1/4"	1-13/16"
18-110	5/8"	7/16"	5/16"	1/4"	2"
18-112	3/4"	7/16"	3/8"	1/4"	2"
18-113	1"	3/4"	1/2"	1/4"	2-3/16"
18-114	1/4"	3/8"	1/8"	1/2"	2-1/4"
18-115	3/8"	3/8"	3/16"	1/2"	2-1/4"
18-116	1/2"	1-1/8"	1/4"	1/2"	2-13/16"
18-122	3/4"	1-1/4"	3/8"	1/2"	2-13/16"
18-126	1"	1-1/4"	1/2"	1/2"	2-13/16"
18-130	1-1/4"	3/4"	5/8"	1/2"	2-13/16"
18-134	1-1/2"	1-1/4"	3/4"	1/2"	2-3/4"
18-138	2"	1-1/4"	1"	1/2"	2-3/4"

Top Bearing Round Nose Bits

18-508	1/2"	23/64"	1/4"	1/4"	2-1/4"
18-510	5/8"	7/16"	5/16"	1/4"	2-11/32"
18-512	3/4"	7/16"	3/8"	1/4"	2-11/32"
18-522	3/4"	1-1/4"	3/8"	1/2"	2-27/32"

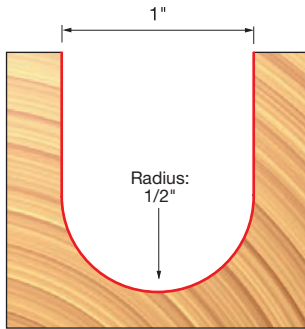


Round Nose Bits

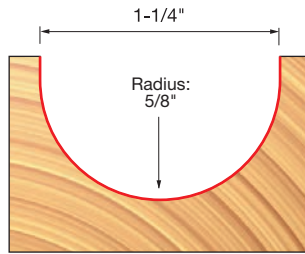


EDGE TREATMENT & GROOVING BITS

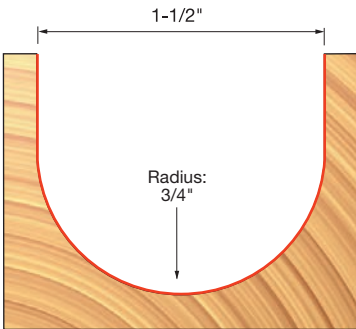
CONTINUED



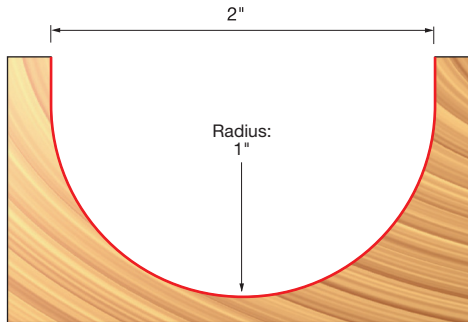
18-126



18-130

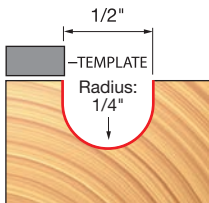


18-134

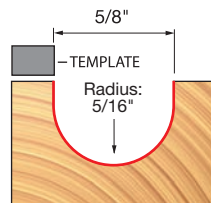


18-138

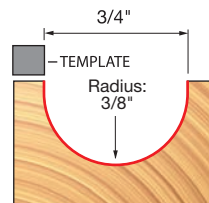
Top Bearing Round Nose Bits



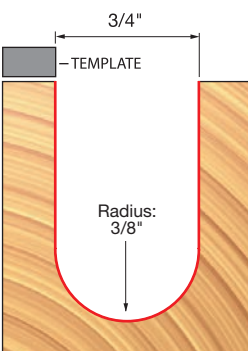
18-508 Top Bearing



18-510 Top Bearing



18-512 Top Bearing



18-522 Top Bearing

USE IN



Table Router



Hand Router



CNC

APPLICATION

Fluted millwork, signs and decorative veining. Add a personal touch to cabinet doors, drawer fronts, and fluted millwork, or use these bits to engrave wood signs.

MATERIALS



Hardwood



Softwood

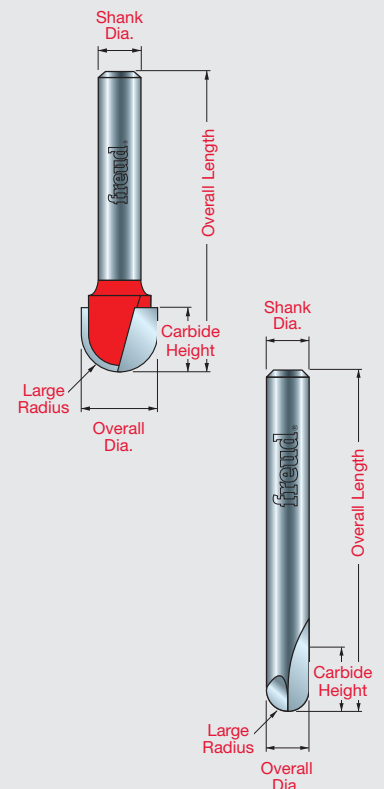


MDF



Plywood

ROUTER BITS

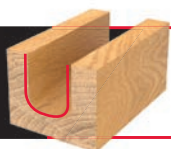


* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

EDGE TREATMENT & GROOVING BITS



Dish Carving Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

This bit is designed to remove large amounts of wood. Excellent for making trays, coasters, and raised-letter signs.

MATERIALS



Hardwood



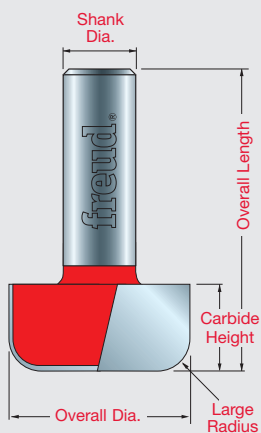
Softwood



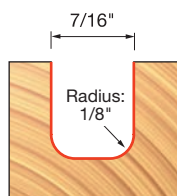
MDF



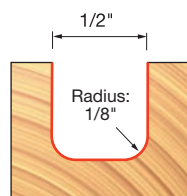
Plywood



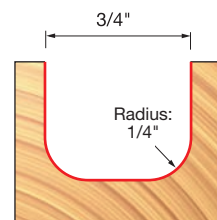
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	RADIUS	SHANK DIA.	OVERALL LENGTH
19-102	7/16"	1/2"	1/8"	1/4"	2"
19-104	1/2"	1/2"	1/8"	1/4"	2-1/8"
19-126	3/4"	5/8"	1/4"	1/2"	2-5/8"
99-026	1-1/4"	19/32"	1/4"	1/2"	2-1/16"
Top Bearing Round Nose Bits					
19-506	3/4"	5/8"	1/4"	1/4"	2-5/16"
19-576	3/4"	5/8"	1/4"	1/2"	2-5/8"
19-578	1-1/8"	5/8"	1/4"	1/2"	2-5/8"



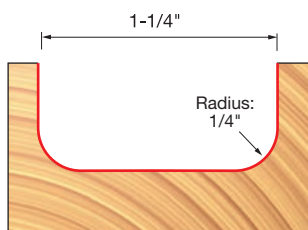
19-102



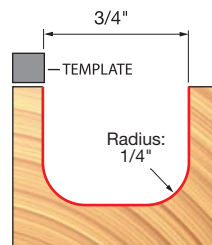
19-104



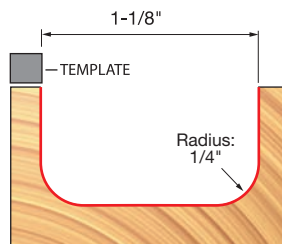
19-126



99-026



19-506 Top Bearing
19-576 Top Bearing



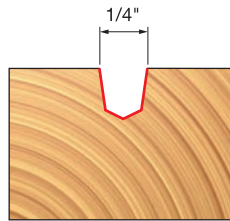
19-578 Top Bearing

"V" Veining Bit

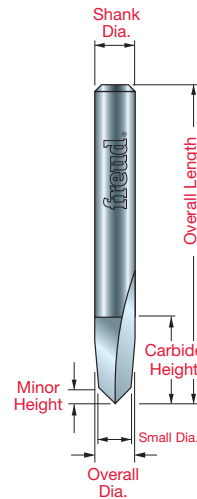


EDGE TREATMENT & GROOVING BITS

ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	SHANK DIA.	OVERALL LENGTH
70-102*	1/4"	3/16"	7/32"	3/64"	1/4"	1-1/2"



70-102



USE IN



Table Router



Hand Router



CNC

APPLICATION

Intricate designs in furniture and millwork. Produce an attractive double "V" to accent furniture, cabinet doors and millwork.

MATERIALS



Hardwood



Softwood



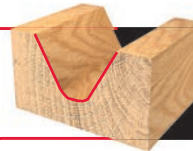
MDF



Plywood

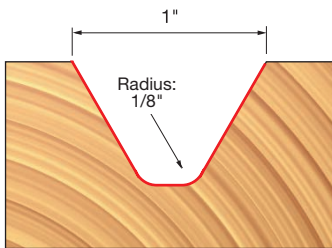
ROUTER BITS

Lettering Bits

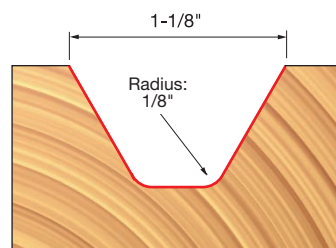


EDGE TREATMENT & GROOVING BITS

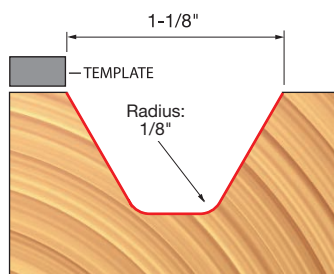
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	RADIUS	SHANK DIA.	OVERALL LENGTH
20-172	1"	—	3/4"	1/8"	1/4"	2"
20-174	1-1/8"	—	3/4"	1/8"	1/2"	2-1/4"
Top Bearing Lettering Bits						
20-574	1-1/8"	1-1/8"	3/4"	1/8"	1/2"	2-13/32"



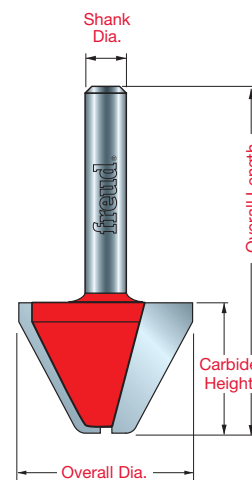
20-172



20-174



20-574 Top Bearing



USE IN



Table Router



Hand Router



CNC

APPLICATION

Ideal for creating letters for signs, these bits produce a 60° angle for highly readable relief lettering. The flattened end removes excess material between letters quickly.

MATERIALS



Hardwood



Softwood



MDF



Plywood

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

EDGE TREATMENT & GROOVING BITS



"V" Grooving Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

Ideal for making signs and adding decorative accents to furniture and plaques, Freud's "V" grooving bits are designed to cut deep or shallow "V" grooves

MATERIALS



Hardwood



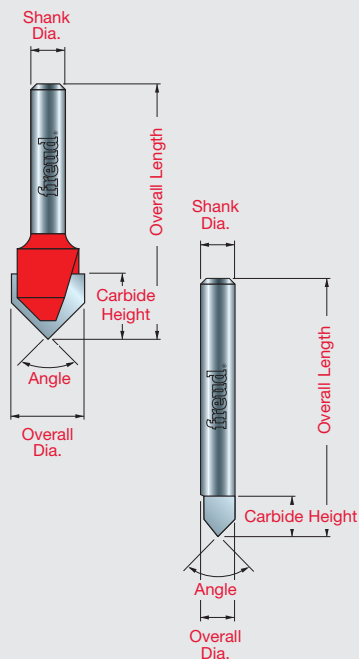
Softwood



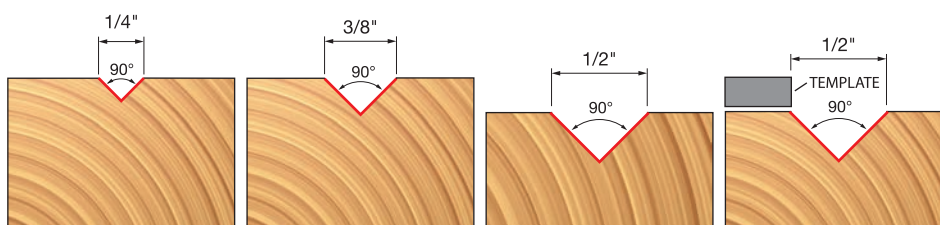
MDF



Plywood



ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	ANGLES	SHANK DIA.	OVERALL LENGTH
20-100*	1/4"	1/4"	90°	1/4"	1-1/2"
20-102	3/8"	5/16"	90°	1/4"	1-3/4"
20-104	1/2"	7/16"	90°	1/4"	1-3/4"
20-106	5/8"	1/2"	90°	1/2"	2-1/4"
20-107	3/8"	1/2"	90°	1/2"	2-1/4"
20-108	3/4"	1/2"	90°	1/2"	2-1/4"
20-109	1/2"	1/2"	90°	1/2"	2-1/4"
20-110	7/8"	5/8"	90°	1/2"	2-1/4"
20-112	1"	5/8"	90°	1/2"	2-1/2"
20-116	1-1/2"	1"	90°	1/2"	3"
20-120	2"	1-1/4"	90°	1/2"	2-7/8"
20-150*	1/4"	7/32"	60°	1/4"	2"
20-152	1/2"	1/2"	60°	1/4"	2"
20-154*	1/2"	7/16"	60°	1/4"	2-1/4"
Top Bearing Bits					
20-502	1/2"	7/16"	90°	1/4"	2-1/4"

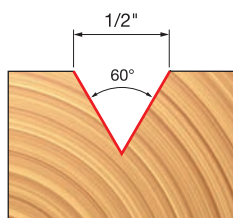


20-100

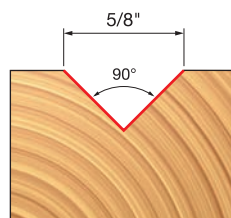
20-102 / 20-107

20-104 / 20-109

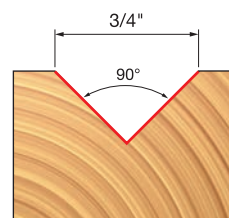
20-502 Top Bearing



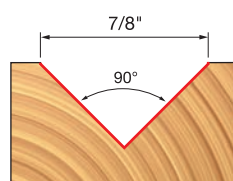
20-152



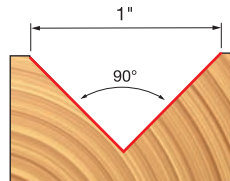
20-106



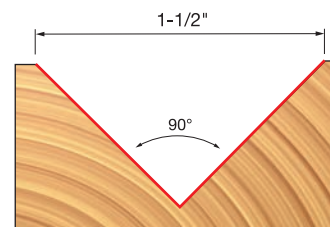
20-108



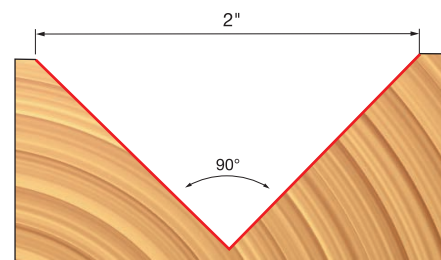
20-110



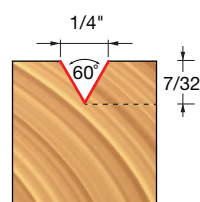
20-112



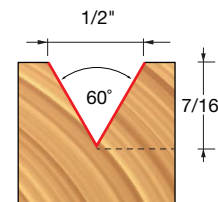
20-116



20-120

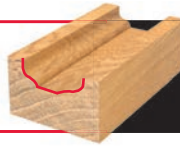


20-150



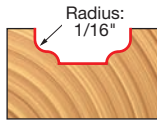
20-154

Ogee Groove Bits

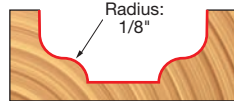


EDGE TREATMENT & GROOVING BITS

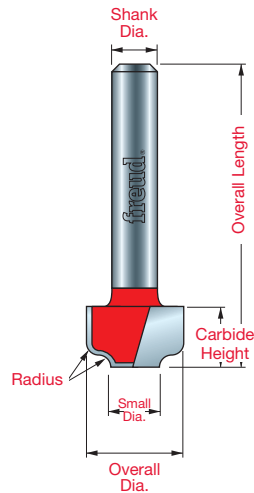
ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	RADIUS	SHANK DIA.	OVERALL LENGTH
39-152	1/2"	1/4"	5/16"	1/16"	1/4"	1-9/16"
39-154	7/8"	3/8"	13/32"	1/8"	1/4"	1-11/16"



39-152



39-154



USE IN



Table Router



Hand Router



CNC

APPLICATION

Create beautiful decorative grooves in molding and furniture, or use them with an edge guide to produce an ogee edge profile

MATERIALS



Hardwood



Softwood



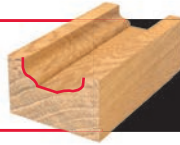
MDF



Plywood

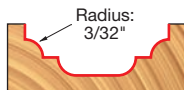
ROUTER BITS

Cove & Bead Groove Bits

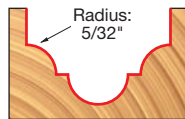


EDGE TREATMENT & GROOVING BITS

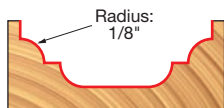
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	RADIUS	SHANK DIA.	OVERALL LENGTH
39-100	3/4"	9/16"	3/8"	3/32"	1/4"	1-5/8"
39-101	3/4"	5/16"	1/2"	5/32"	1/4"	1-3/4"
39-102	1"	3/4"	1/2"	1/8"	1/4"	1-3/4"
39-112	1-1/4"	25/32"	1/2"	5/32"	1/2"	2



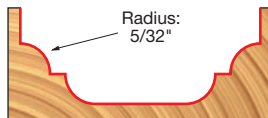
39-100



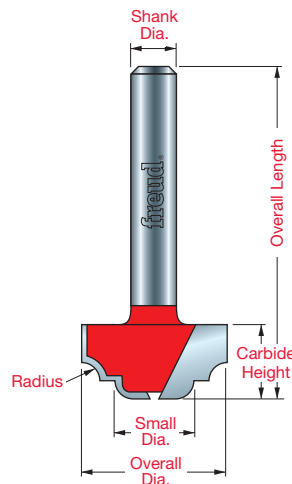
39-101



39-102



39-112



USE IN



Table Router



Hand Router



CNC

APPLICATION

Produce beautiful decorative grooves in molding and furniture with these bits or use them with an edge guide to create decorative edge profiles.

MATERIALS



Hardwood



Softwood



MDF



Plywood

EDGE TREATMENT & GROOVING BITS



Classical Beading Groove Bits

USE IN



Table Router



Hand Router

CNC

APPLICATION

Elaborate design for furniture and moldings. The simple bead and flat bottom design created by these bits adds depth to any surface.

MATERIALS



Hardwood

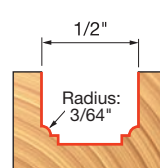
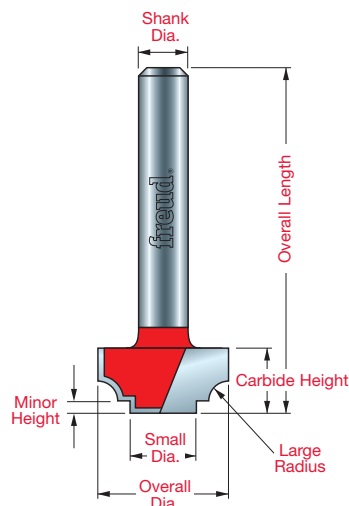
Softwood



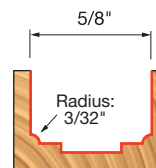
MDF

Plywood

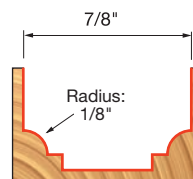
ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	RADIUS	SHANK DIA.	OVERALL LENGTH
39-302	1/2"	21/64"	3/8"	3/64"	3/64"	1/4"	1-5/8"
39-304	5/8"	5/16"	3/8"	3/64"	3/32"	1/4"	1-5/8"
39-306	7/8"	15/32"	29/64"	5/64"	1/8"	1/4"	1-23/32"



39-302

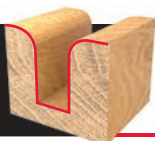


39-304



39-306

EDGE TREATMENT & GROOVING BITS



Ovolo Bits

USE IN



Table Router



Hand Router

CNC

APPLICATION

Template work & cutting openings in paneling, siding, etc. The drill through point allows self-starting, and the pilot acts as a guide for template work.

MATERIALS



Hardwood

Softwood

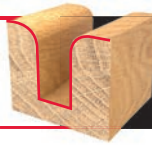


MDF

Plywood

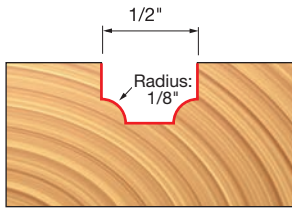
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	RADIUS	SHANK DIA.	OVERALL LENGTH
39-202	1/2"	1/4"	5/16"	1/8"	1/4"	1-3/4"
39-204	7/8"	1/2"	1/2"	3/16"	1/4"	1-3/4"
39-205	7/8"	1/4"	5/8"	1/4"	1/4"	2"
39-206	1"	1/2"	1/2"	1/4"	1/4"	1-3/4"
39-208	1-1/4"	1/2"	9/16"	3/8"	1/4"	1-13/16"
39-210	1-1/2"	1/2"	3/4"	1/2"	1/4"	2"
39-226	1"	1/2"	1/2"	1/4"	1/2"	2"
39-228	1-1/4"	1/2"	9/16"	3/8"	1/2"	2-1/16"
39-230	1-1/2"	1/2"	3/4"	1/2"	1/2"	2-1/4"
39-232	1-3/4"	1/2"	7/8"	5/8"	1/2"	2-3/8"
39-234	2"	1/2"	1"	3/4"	1/2"	2-1/2"
39-236	2-1/4"	1/2"	1 1/8"	7/8"	1/2"	2-5/8"
39-252	1-1/8"	1/2"	1-7/32"	1/4"	1/2"	2-23/32"
39-238	2-1/2"	1/2"	1-5/16"	1"	1/2"	2-13/16"

Ovolo Bits

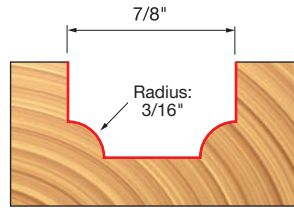


EDGE TREATMENT & GROOVING BITS

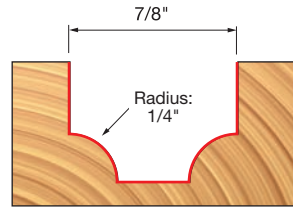
CONTINUED



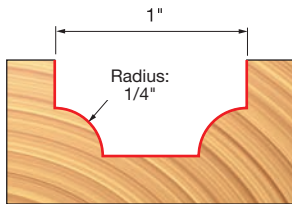
39-202



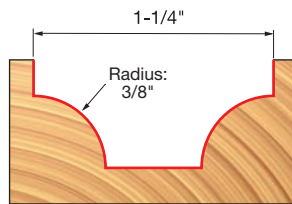
39-204



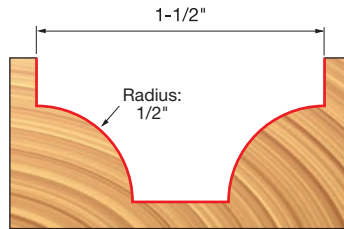
39-205



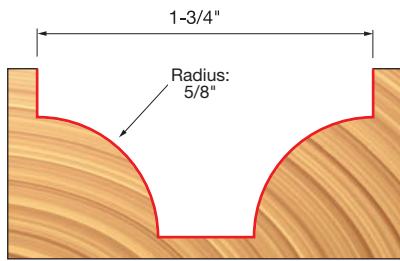
39-206 / 39-226



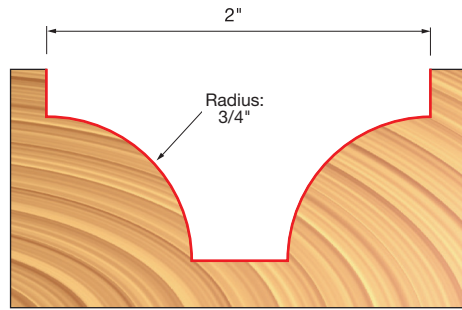
39-208 / 39-228



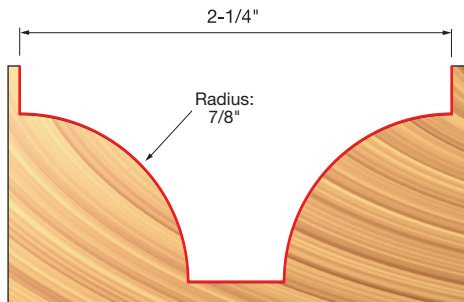
39-210 / 39-230



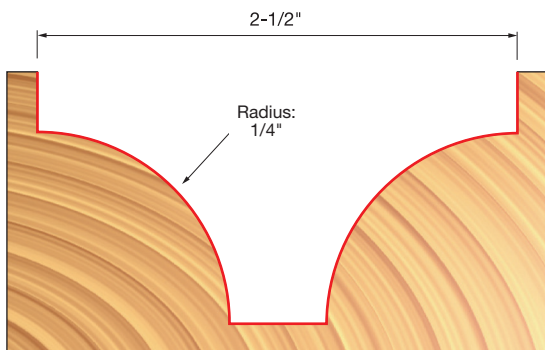
39-232



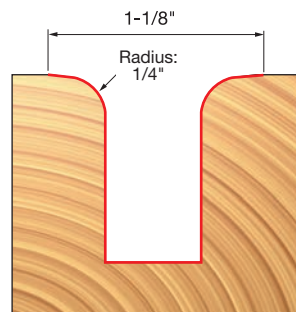
39-234



39-236



39-238



39-252

USE IN



Table Router



Hand Router

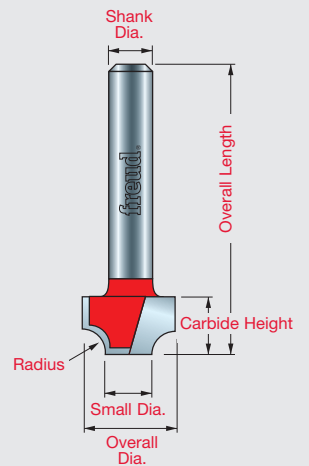


CNC

APPLICATION

Create decorative grooves in molding and furniture, including the attractive groove in French Provincial style doors and cabinets

MATERIALS



* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

EDGE TREATMENT
& GROOVING BITS

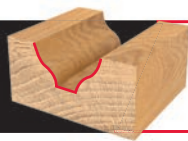
USE IN



APPLICATION

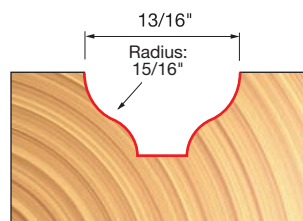
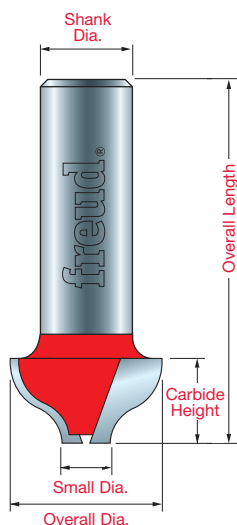
Traditional accents for furniture and moldings. Accents any project with a slight, decorative groove and it can produce a decorative edge when used with an edge guide.

MATERIALS

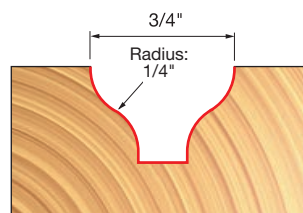


Standard Ogee Groove Bits

ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SHANK DIA.
99-004	13/16"	1/4"	29/64"	15/64"	1/2"	1-15/16"
39-240	3/4"	1/4"	1/2"	1/4"	1/4"	1-3/4"



99-004



39-240

EDGE TREATMENT
& GROOVING BITS

Top Bearing Fillet Ogee Groove Bits

USE IN



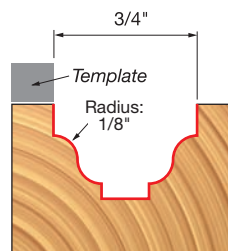
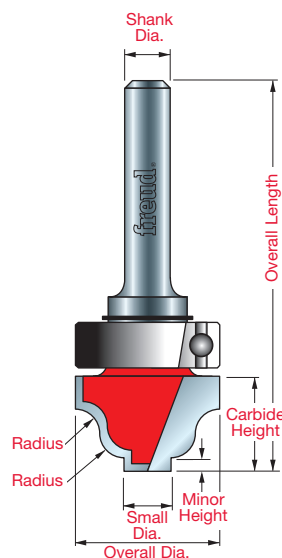
APPLICATION

Template work, decorative edges and elaborate grooves. Produce symmetrical ogee profile ending in a fillet. The flat bottom of the groove can create the illusion of panel construction as well as decorative edge.

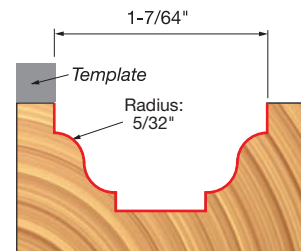
MATERIALS



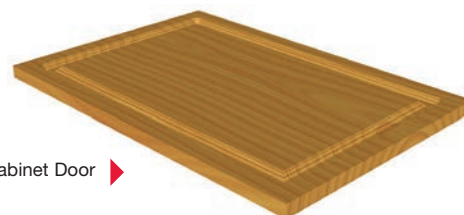
ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	RADIUS	SHANK DIA.	OVERALL LENGTH
39-522	3/4"	1/4"	1/2"	5/32"	1/8"	1/4"	2-3/16"
39-524	1-7/64"	15/32"	9/16"	5/32"	5/32"	3/8"	2-1/4"



39-522

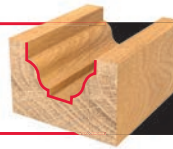


39-524



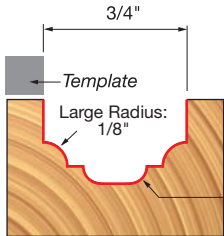
Example of Cabinet Door

Top Bearing Classical Cove & Bead Groove Bits

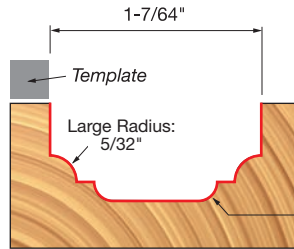


EDGE TREATMENT & GROOVING BITS

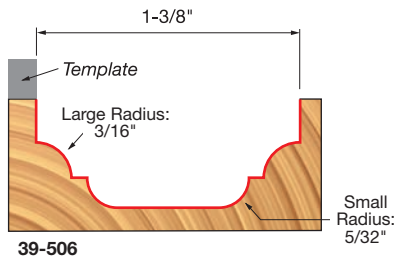
ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
39-502	3/4"	1/4"	7/16"	1/8"	3/32"	1/4"	2-1/8"
39-504	1-7/64"	21/32"	1/2"	5/32"	1/8"	3/8"	2-1/4"
39-506	1-3/8"	27/32"	9/16"	3/16"	5/32"	3/8"	2-7/16"



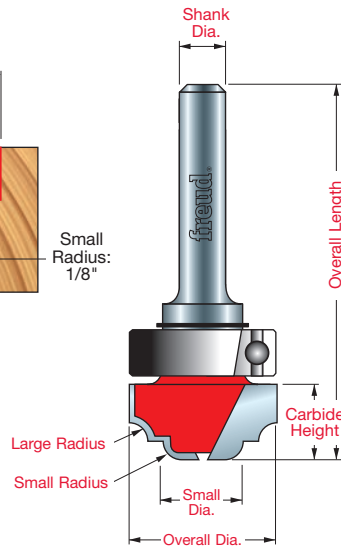
39-502



39-504



39-506



USE IN



APPLICATION

Template work, decorative edges and elaborate grooves. Produce a cove and bead groove with a flat bottom to add depth to furniture or millwork. They can also create a decorative edge profile.

MATERIALS



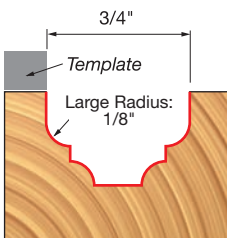
ROUTER BITS

Top Bearing Cove & Bead Groove Bit

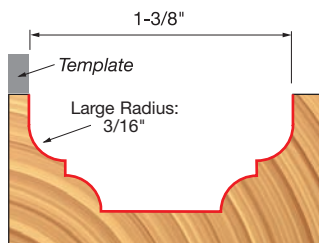


EDGE TREATMENT & GROOVING BITS

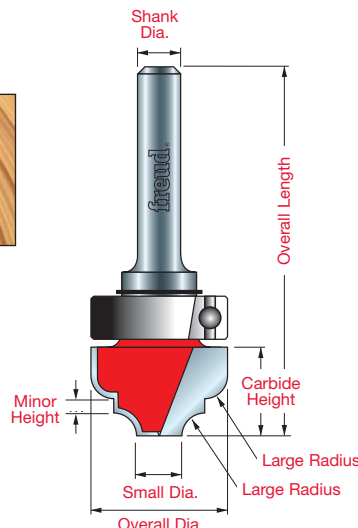
ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
39-532	3/4"	1/4"	31/64"	5/64"	1/8"	1/4"	2-3/16"
39-536	1-3/8"	5/8"	39/64"	5/64"	3/16"	3/8"	2-7/16"



39-532



39-536



USE IN



APPLICATION

Template work, decorative edges and elaborate grooves. Create a traditional cove and bead profile that includes a flat bottom, creating the illusion of panel construction. These bits can also be used to create a decorative edge profile.

MATERIALS



EDGE TREATMENT & GROOVING BITS



Radius "V" Grooving Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

Sign making, Lettering, 2D & 3D Carving, Decorative Grooves. Designed to cut deep or shallow V-Groove shapes with rounded top edges.

MATERIALS



Hardwood



Softwood

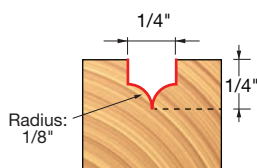


MDF

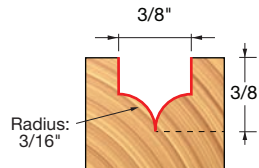


Plywood

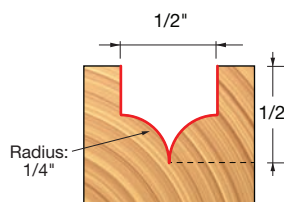
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	RADIUS	SHANK DIA.	OVERALL LENGTH
20-305*	1/4"	1/4"	1/8"	1/4"	2"
20-310*	3/8"	3/8"	3/16"	1/4"	2"
20-315*	1/2"	1/2"	1/4"	1/4"	2"
20-320*	3/4"	5/8"	3/8"	1/4"	2"



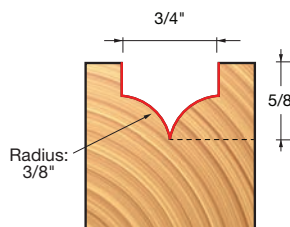
20-305



20-310



20-315



20-320

EDGE TREATMENT & GROOVING BITS



Engraving "V" Grooving Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

CNC Carving, Engraving, Signmaking & Veining

MATERIALS



Hardwood



Softwood



MDF

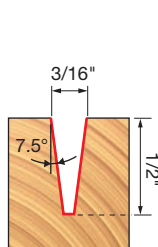


Plastic

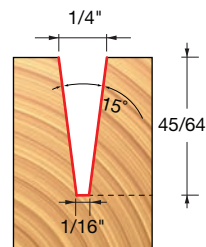


Aluminum

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
70-103*	3/16"	1/2"	7.5°	1/4"	1-11/16"
70-112*	1/4"		15°	1/4"	2-1/2"



70-103



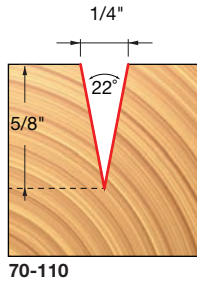
70-112

Detail Carving Bit

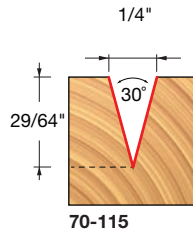


EDGE TREATMENT & GROOVING BITS

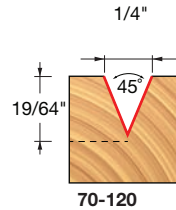
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
70-110*	1/4"	5/8"	22°	1/4"	2-1/2"
70-115*	1/4"	29/64"	30°	1/4"	2"
70-120*	1/4"	19/64"	45°	1/4"	2"



70-110



70-115



70-120

USE IN



Table Router



Hand Router



CNC

APPLICATION

Engraving router bits for signmaking, fine carving & lettering details. Comes in a variety of angles.

MATERIALS



Hardwood

Softwood

MDF

Plywood

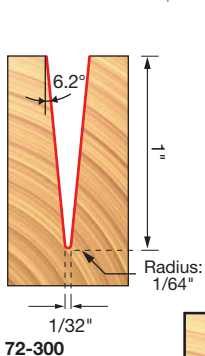
ROUTER BITS

Tapered Ball Tip Bits

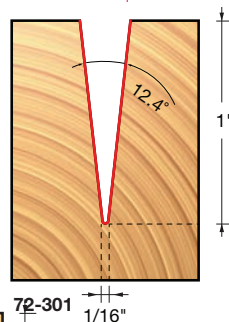


EDGE TREATMENT & GROOVING BITS

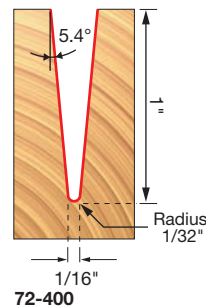
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
72-300*	1/32"	1"	N/A	1/4"	3"
72-301*	1/32"	1"	6.2°	1/4"	2-1/2"
72-400*	1/16"	1"	5.4°	1/4"	3"
72-401*	1/16"	1"	5.4°	1/4"	2-1/2"
72-405*	1/8"	1"	7°	1/4"	2-1/2"



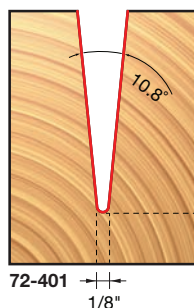
72-300



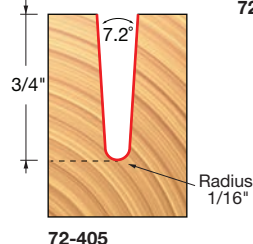
72-301



72-400



72-401



72-405

USE IN



Table Router



Hand Router



CNC

APPLICATION

CNC Carving, Engraving, Signmaking & Veining

MATERIALS



Hardwood

Softwood

MDF

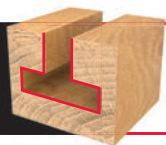
Plastic

Aluminum

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

EDGE TREATMENT
& GROOVING BITS

T-Slotting Cutter Bits

USE IN



Table Router



Hand Router

CNC

APPLICATION

Build your own sturdy, attractive, slotted wall displays hanging by a hook

MATERIALS



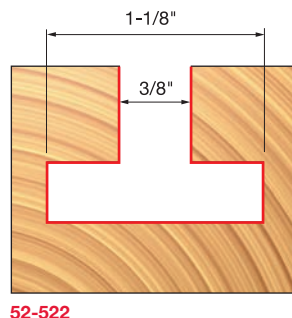
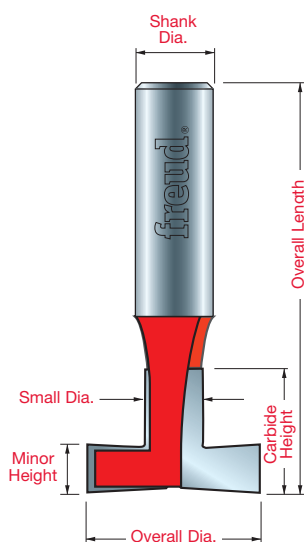
Hardwood

Softwood

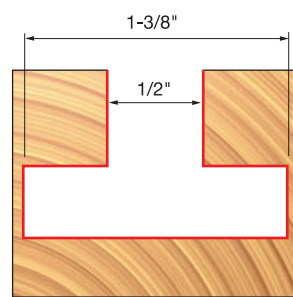
MDF

Plywood

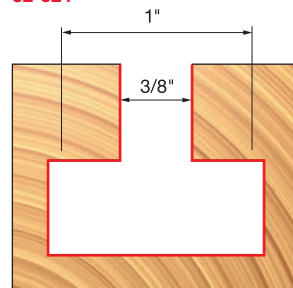
ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	SHANK DIA.	OVERALL LENGTH
52-522	1-1/8"	3/8"	13/16"	5/16"	1/2"	2-1/2"
52-524	1-3/8"	1/2"	7/8"	3/8"	1/2"	2-1/2"
70-204	1"	3/8"	1"	1/2"	1/4"	2-3/8"



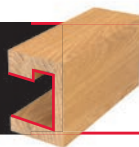
52-522



52-524



70-204

EDGE TREATMENT
& GROOVING BITS

Key Hole Bit

USE IN



Table Router



Hand Router

CNC

APPLICATION

Key holes for hanging plaques and shelves. The large diameter end bores holes to allow nail or screw heads to enter the slot. The smaller diameter allows room for the shank of the nail or screw.

MATERIALS



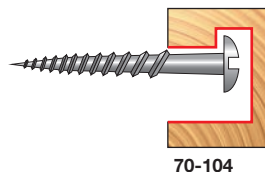
Hardwood

Softwood

MDF

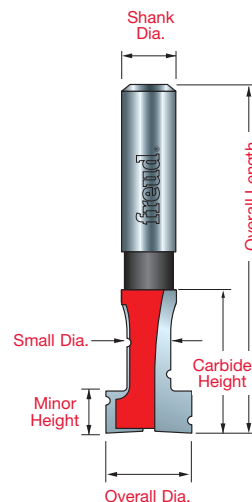
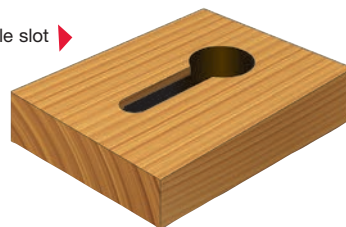
Plywood

ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	SHANK DIA.	OVERALL LENGTH
70-104	25/64"	3/16"	7/16"	1/4"	1/4"	1-5/8"



70-104

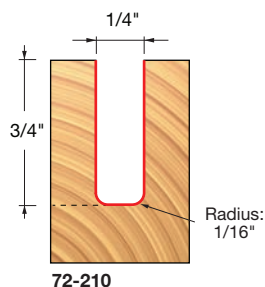
Example of Key Hole slot ▶



Radius Tip Up Cut Spiral Bit



ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
72-210*	1/8"	1"	1/4"	2-1/2"



72-210

EDGE TREATMENT & GROOVING BITS

USE IN



Table Router



Hand Router



CNC

APPLICATION

CNC carving, signmaking, veining, fluting & decorative grooves. Create smooth, flat-bottom grooves with curved edges.

MATERIALS



Hardwood



Softwood



MDF



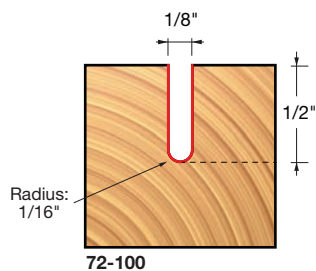
Plywood

ROUTER BITS

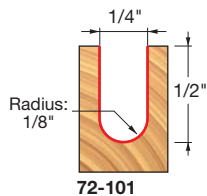
Up Cut Spiral Ball Nose Bits



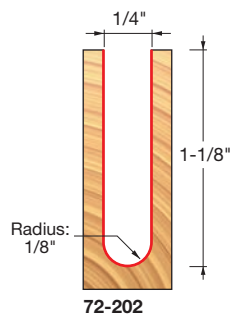
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	RADIUS	SHANK DIA.	OVERALL LENGTH
72-100*	1/8"	1/2"	NA	1/4"	2"
72-101*	1/4"	1/2"	1/8"	1/4"	2-1/2"
72-202*	1/4"	1-1/8"	1/8"	1/4"	3"



72-100



72-101



72-202

EDGE TREATMENT & GROOVING BITS

USE IN



Table Router



Hand Router



CNC

APPLICATION

CNC carving, engraving, signmaking & grooving or edge work

MATERIALS



MDF



Hardwood



Softwood

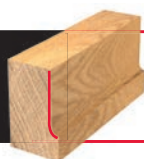


Plastic



Aluminum

EDGE TREATMENT & GROOVING BITS



Cove Bits

USE IN



Table Router Hand Router

APPLICATION

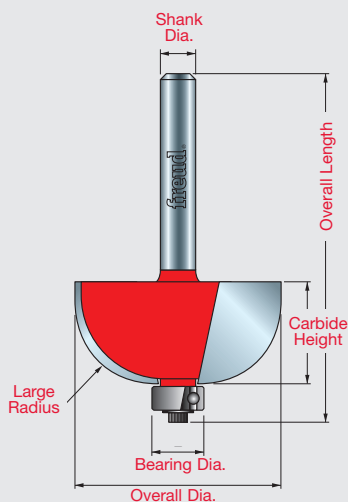
Smooth, decorative edging and inverted radii. Create smooth, classic cove profiles with Freud cove bits, which have a shear angle that slices wood similar to the way a craftsman uses a hand plane.

MATERIALS



Hardwood Softwood MDF

Plywood Laminate



ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
30-094	1/2"	3/8"	1/2"	1/16"	1/4"	2-3/16"
30-098	5/8"	3/8"	1/2"	1/8"	1/4"	2-3/16"
30-100	3/4"	3/8"	1/2"	3/16"	1/4"	2-3/16"
30-102	7/8"	3/8"	1/2"	1/4"	1/4"	2-3/16"
30-103	1"	3/8"	5/16"	5/16"	1/4"	2-3/16"
30-104	1-1/4"	1/2"	1/2"	3/8"	1/4"	2-3/16"
30-106	1-1/2"	1/2"	1/2"	1/2"	1/4"	2-3/16"
30-107	1-3/4"	1/2"	3/4"	5/8"	1/2"	2-1/2"
30-108	2"	1/2"	7/8"	3/4"	1/2"	2-5/8"
30-109	7/8"	1/2"	1/2"	3/16"	1/2"	2-1/2"
30-110	1"	1/2"	1/2"	1/4"	1/2"	2-1/2"
30-111	1"	3/8"	5/16"	5/16"	1/2"	2-1/2"
30-112	1-1/4"	1/2"	1/2"	3/8"	1/2"	2-1/2"
30-114	1-1/2"	1/2"	5/8"	1/2"	1/2"	2-1/2"



30-094



30-098



30-100 / 30-109



30-102 / 30-110



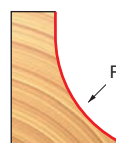
30-103 / 30-111



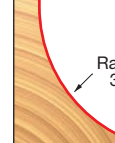
30-104 / 30-112



30-106 / 30-114

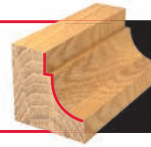


30-107



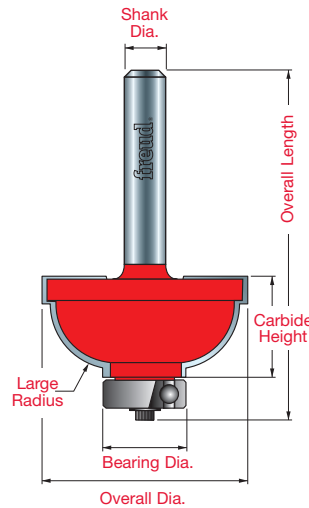
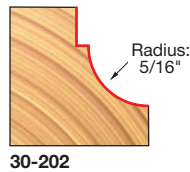
30-108

Cove & Fillet Bits



EDGE TREATMENT & GROOVING BITS

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
30-202	1-1/4"	1/2"	19/32"	5/16"	1/4"	2-3/16"



USE IN



APPLICATION

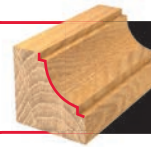
Produces a smooth cove with a small fillet at the top, a profile found in many traditional pieces of furniture and millwork

MATERIALS



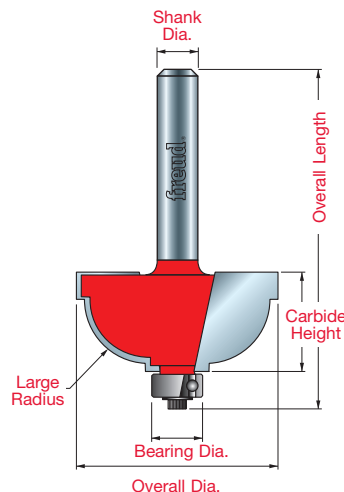
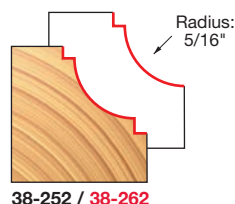
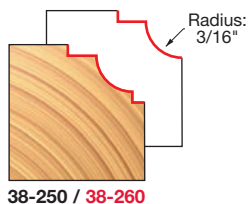
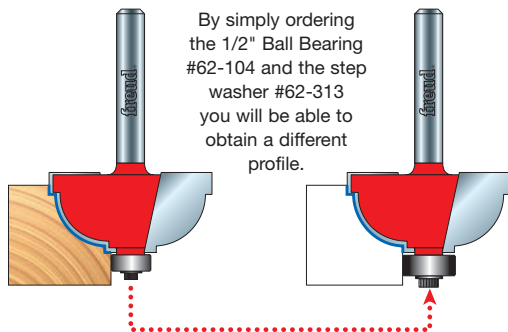
ROUTER BITS

Classical Cove Bits



EDGE TREATMENT & GROOVING BITS

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
38-250	1-1/8"	3/8"	1/2"	3/16"	1/4"	2-3/16"
38-252	1-1/4"	3/8"	19/32"	5/16"	1/4"	2-3/16"
38-260	1-1/8"	3/8"	1/2"	3/16"	1/2"	2-1/2"
38-262	1-1/4"	3/8"	1-3/8"	5/16"	1/2"	2-1/2"



USE IN



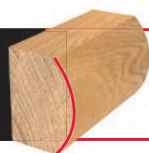
APPLICATION

Enhance traditional furniture and millwork by adding an attractive cove profile with a small fillet at the top and bottom

MATERIALS



EDGE TREATMENT & GROOVING BITS



Convex Edge Bit

USE IN



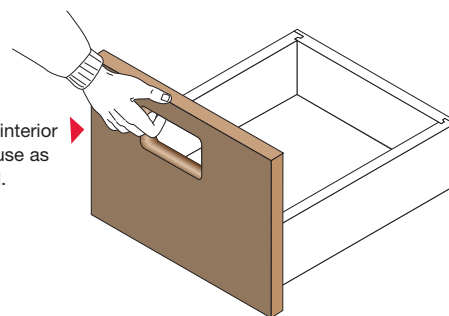
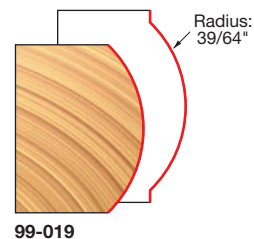
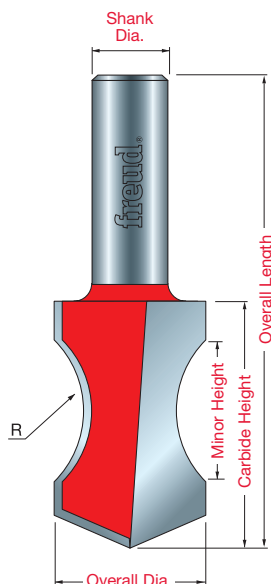
APPLICATION

Shallow bull nose profile for edging. creates a soft, gently rounded edge on any project or use this bit to plunge rout internal cut-outs for use as hand-holds.

MATERIALS



ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
99-019	1"	1-5/8"	7/8"	39/64"	1/2"	3-1/16"



Example of interior cut-out for use as a hand-hold.

EDGE TREATMENT & GROOVING BITS



Rounding Over Bits

USE IN



APPLICATION

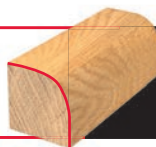
Soften furniture edges and create decorative beads. For beading work, equip the bits with a 1/8" smaller bearing and step washer.

MATERIALS



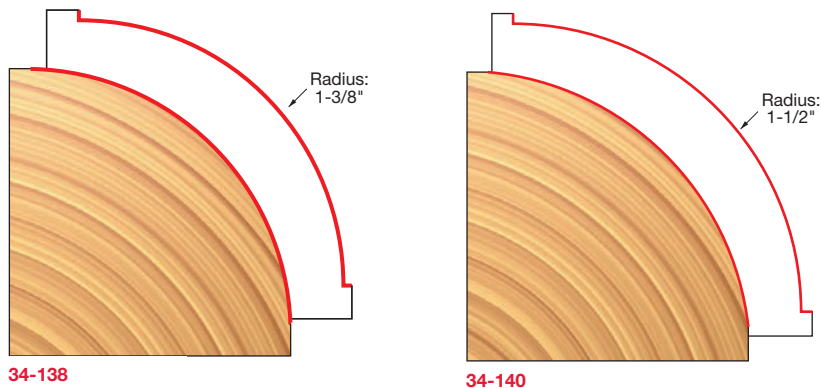
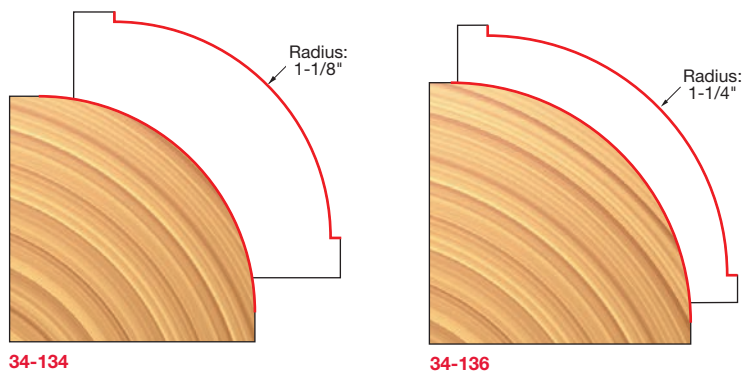
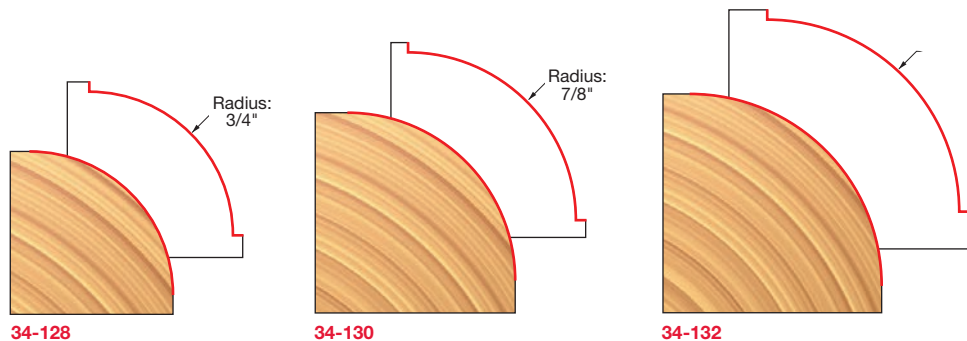
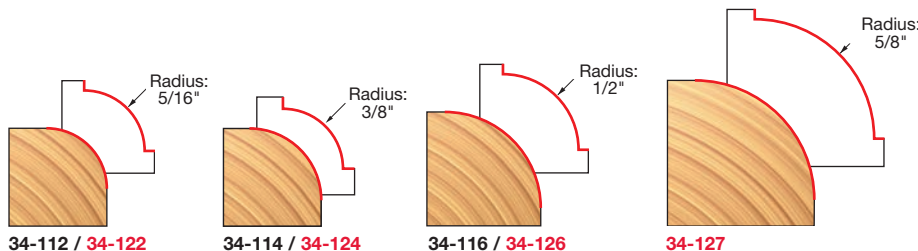
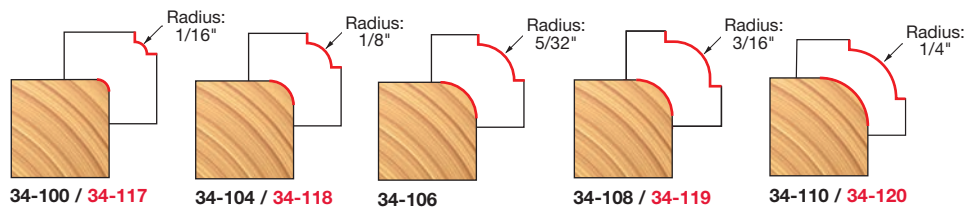
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
34-100	5/8"	1/2"	1/2"	1/16"	1/4"	2-3/16"
34-104	3/4"	1/2"	1/2"	1/8"	1/4"	2-3/16"
34-106	13/16"	1/2"	1/2"	5/32"	1/4"	2-3/16"
34-108	7/8"	1/2"	1/2"	3/16"	1/4"	2-3/16"
34-110	1-1/8"	5/8"	1/2"	1/4"	1/4"	2-3/16"
34-112	1-1/4"	5/8"	1/2"	5/16"	1/4"	2-3/16"
34-114	1-3/8"	5/8"	5/8"	3/8"	1/4"	2-3/16"
34-116	1-1/2"	1/2"	3/4"	1/2"	1/4"	2-1/2"
34-117	5/8"	1/2"	1/2"	1/16"	1/2"	2-1/2"
34-118	3/4"	1/2"	1/2"	1/8"	1/2"	2-1/2"
34-119	7/8"	1/2"	1/2"	3/16"	1/2"	2-1/2"
34-120	1-1/4"	3/4"	1/2"	1/4"	1/2"	2-1/2"
34-122	1-1/8"	3/4"	1/2"	5/16"	1/2"	2-1/2"
34-124	1-1/2"	3/4"	5/8"	3/8"	1/2"	2-5/8"
34-126	1-5/8"	5/8"	3/4"	1/2"	1/2"	2-3/4"
34-127	1-7/8"	5/8"	7/8"	5/8"	1/2"	2-7/8"
34-128	2"	1/2"	1"	3/4"	1/2"	2-7/8"
34-130	2-1/4"	1/2"	1-1/4"	7/8"	1/2"	3-1/8"
34-132	2-1/2"	1/2"	1-1/4"	1"	1/2"	3-1/8"
34-134	2-3/4"	1/2"	1-3/8"	1-1/8"	1/2"	3-1/4"
34-136	3"	1/2"	1-1/2"	1-1/4"	1/2"	3-3/8"
34-138	3-1/4"	1/2"	1-9/16"	1-3/8"	1/2"	3-3/8"
34-140	3-1/2"	1/2"	1-3/4"	1-1/2"	1/2"	3-5/8"

Rounding Over Bits



EDGE TREATMENT & GROOVING BITS

CONTINUED



USE IN



Table Router



Hand Router



CNC

APPLICATION

Soften furniture edges and create decorative beads. For beading work, equip the bits with a 1/8" smaller bearing and step washer.

MATERIALS



Hardwood



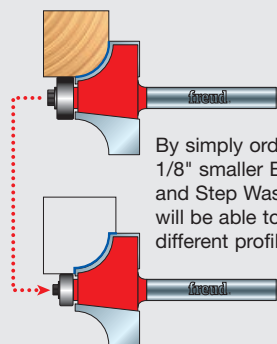
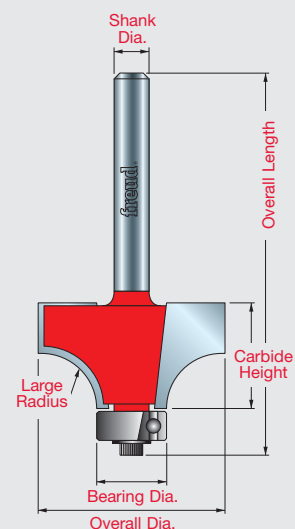
Softwood



MDF



Plywood



By simply ordering a 1/8" smaller Ball Bearing and Step Washer you will be able to obtain a different profile.

EDGE TREATMENT
& GROOVING BITS

USE IN



APPLICATION

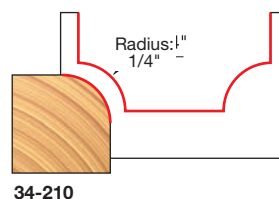
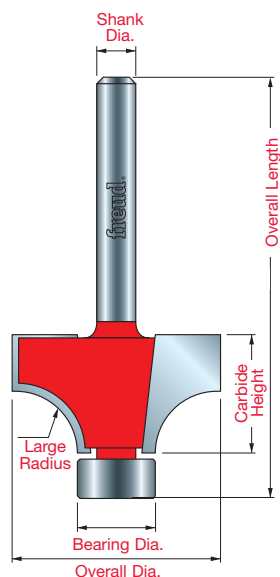
Soften the edges of furniture or remove the solid steel pilots to produce traditional beaded grooves

MATERIALS



Rounding Over Bits with Steel Pilots

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
34-210	1"	1/2"	33/64"	1/4"	1/4"	2"

EDGE TREATMENT
& GROOVING BITS

USE IN



APPLICATION

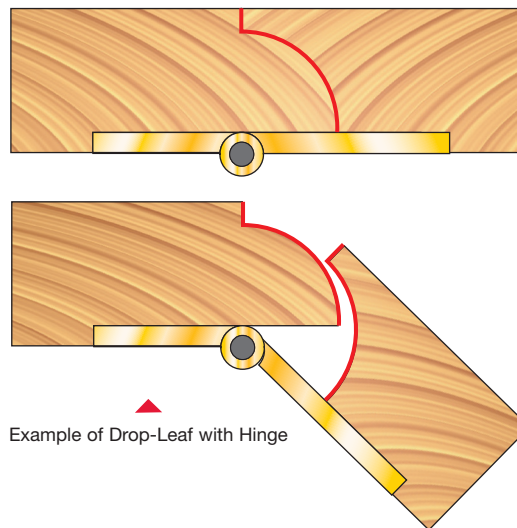
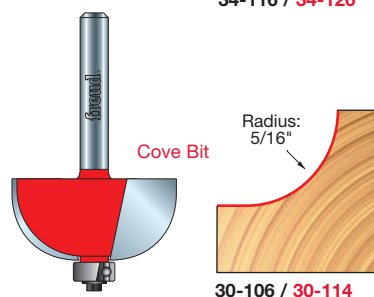
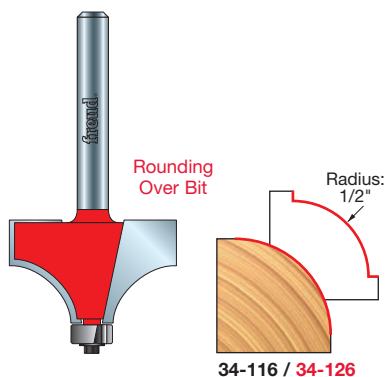
Mating edge profiles for drop-leaf tables. Includes one rounding over bit and one cove bit.

MATERIALS



Drop-Leaf Table Bit Set

SET ITEM NUMBER	TABLE TOP THICKNESS	COVE BIT ITEM #	ROUNDING OVER BIT ITEM #	SHANK DIA.
33-106	3/4"	30-106	34-116	1/4"
33-116	3/4"	30-114	34-126	1/2"



Beading Bits



EDGE TREATMENT & GROOVING BITS



USE IN



Table Router Hand Router

APPLICATION

Add a decorative bead profile to furniture and millwork. For rounding over work, add a 1/8" larger bearing and step washer.

MATERIALS



Hardwood

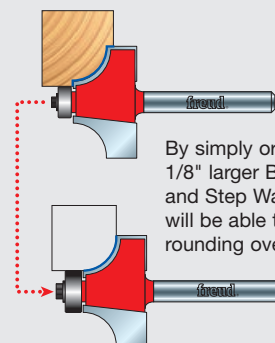
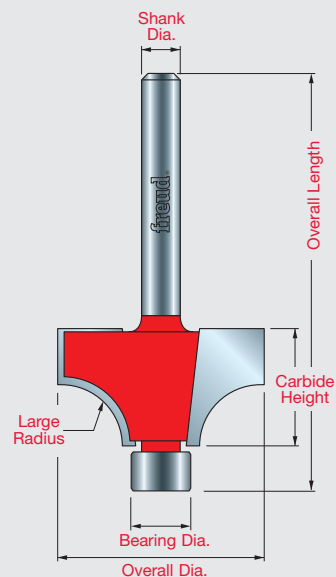
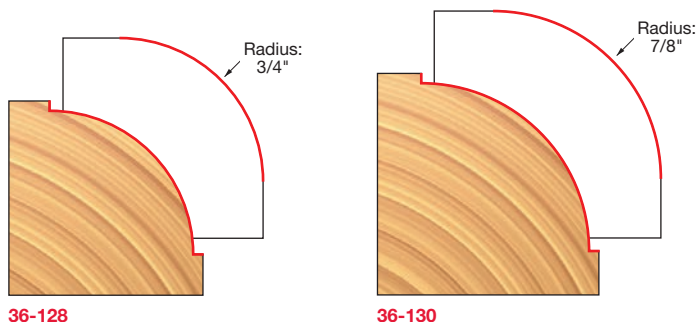
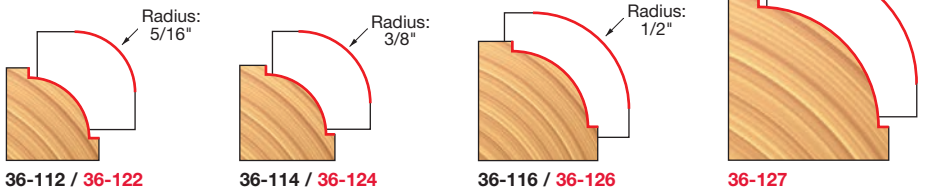
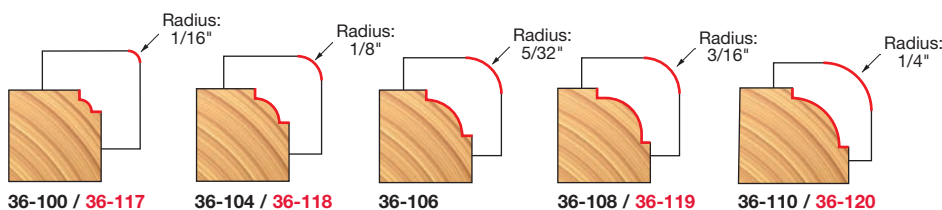
Softwood

MDF

Plywood

ROUTER BITS

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
36-100	5/8"	3/8"	1/2"	1/16"	1/4"	2-3/16"
36-104	3/4"	3/8"	1/2"	1/8"	1/4"	2-3/16"
36-106	13/16"	3/8"	1/2"	5/32"	1/4"	2-3/16"
36-108	7/8"	3/8"	1/2"	3/16"	1/4"	2-3/16"
36-110	1-1/8"	1/2"	1/2"	1/4"	1/4"	2-3/16"
36-112	1-1/4"	1/2"	1/2"	5/16"	1/4"	2-3/16"
36-114	1-3/8"	1/2"	5/8"	3/8"	1/4"	2-3/16"
36-116	1-1/2"	3/8"	3/4"	1/2"	1/4"	2-1/2"
36-117	5/8"	3/8"	1/2"	1/16"	1/2"	2-1/2"
36-118	3/4"	3/8"	1/2"	1/8"	1/2"	2-1/2"
36-119	7/8"	3/8"	1/2"	3/16"	1/2"	2-1/2"
36-120	1-1/4"	5/8"	1/2"	1/4"	1/2"	2-1/2"
36-122	1-1/8"	5/8"	1/2"	5/16"	1/2"	2-1/2"
36-124	1-1/2"	5/8"	5/8"	3/8"	1/2"	2-5/8"
36-126	1-5/8"	1/2"	3/4"	1/2"	1/2"	2-3/4"
36-127	1-7/8"	1/2"	7/8"	5/8"	1/2"	2-7/8"
36-128	2"	3/8"	1"	3/4"	1/2"	2-7/8"
36-130	2-1/4"	3/8"	1-1/4"	7/8"	1/2"	3-1/8"
36-132	2-1/2"	3/8"	1-1/4"	1"	1/2"	3-1/8"
36-134	2-3/4"	3/8"	1-3/8"	1-1/8"	1/2"	3-1/4"
36-136	3"	3/8"	1-1/2"	1-1/4"	1/2"	3-3/8"
36-138	3-1/4"	3/8"	1-9/16"	1-3/8"	1/2"	3-3/8"



By simply ordering the 1/8" larger Ball Bearing and Step Washer you will be able to obtain a rounding over profile.

EDGE TREATMENT & GROOVING BITS



Beading Bits

USE IN



Table Router Hand Router

APPLICATION

Add a decorative bead profile to furniture and millwork. For rounding over work, add a 1/8" larger bearing and step washer.

MATERIALS



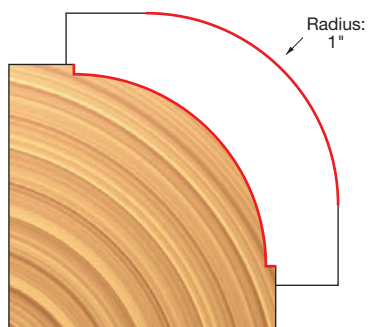
Hardwood

Softwood

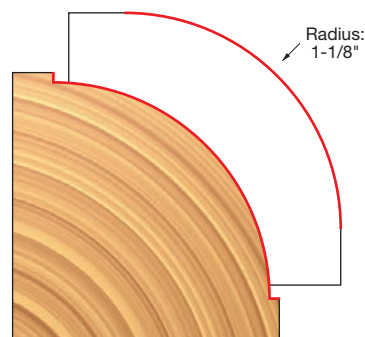
MDF

Plywood

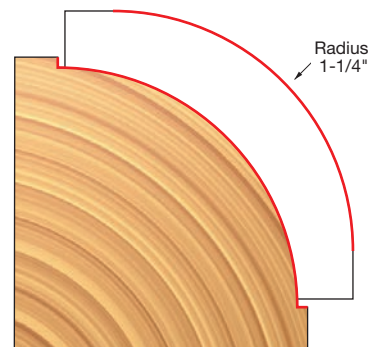
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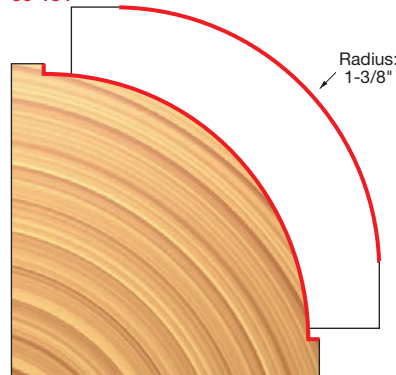
36-132



36-134



36-136



36-138

EDGE TREATMENT & GROOVING BITS



Variable Corner Round Bit

USE IN



Table Router Hand Router

APPLICATION

Saves you time by rounding both edges on a board in one pass.

MATERIALS



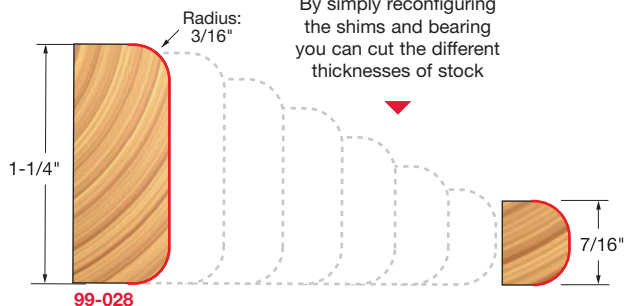
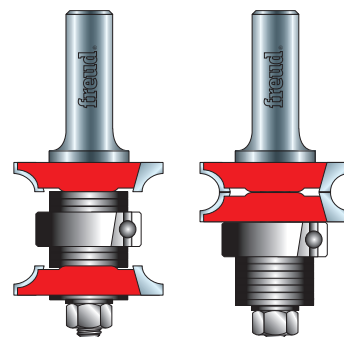
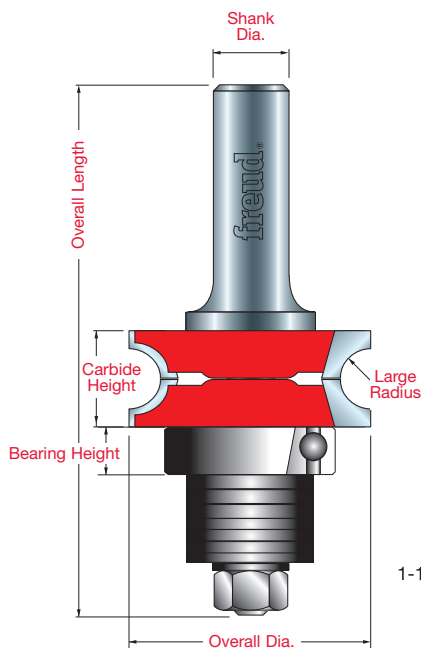
Hardwood

Softwood

MDF

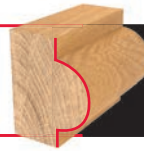
Plywood

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
99-028	1-19/32"	5/16"	1-7/64"	7/16"-1-1/4"	3/16"	1/2"	3-1/2"



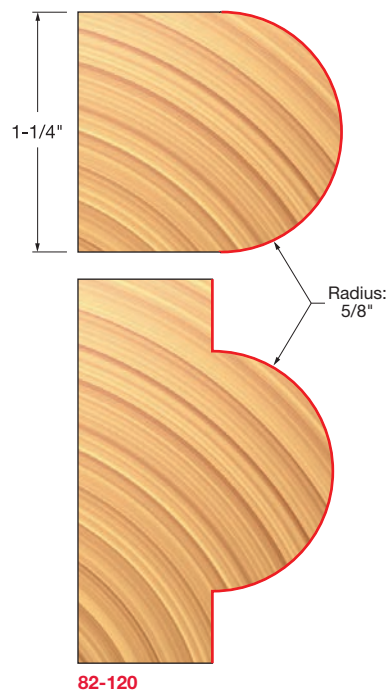
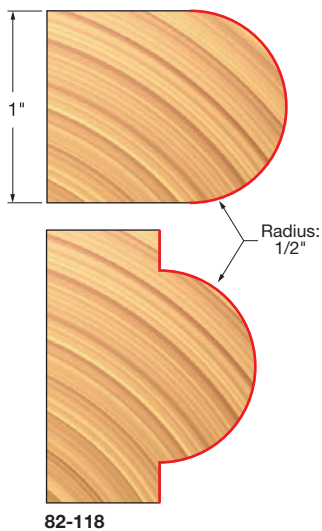
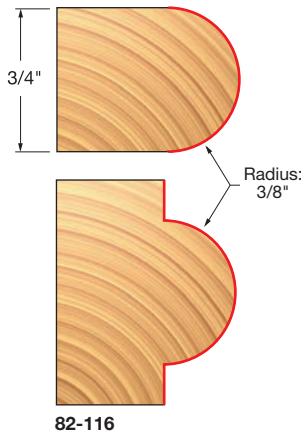
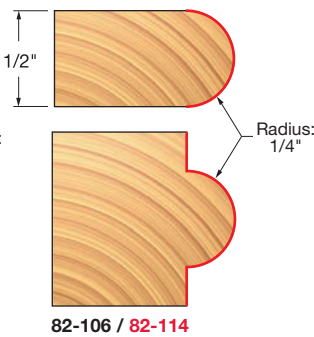
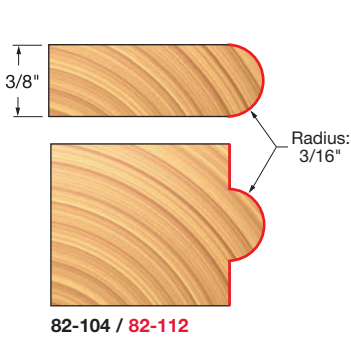
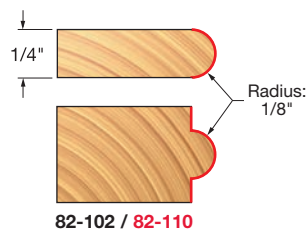
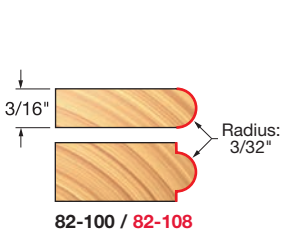
By simply reconfiguring the shims and bearing you can cut the different thicknesses of stock

Half Round Bits



EDGE TREATMENT & GROOVING BITS

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
82-100	11/16"	7/16"	3/32"	1/4"	1-13/16"
82-102	3/4"	1/2"	1/8"	1/4"	1-7/8"
82-104	7/8"	27/32"	3/16"	1/4"	2-1/8"
82-106	1"	29/32"	1/4"	1/4"	2-1/4"
82-108	11/16"	7/16"	3/32"	1/2"	2-1/16"
82-110	3/4"	1/2"	1/8"	1/2"	2-5/32"
82-112	7/8"	27/32"	3/16"	1/2"	2-3/8"
82-114	1"	29/32"	1/4"	1/2"	2-9/16"
82-116	1-29/64"	1-11/64"	3/8"	1/2"	2-13/16"
82-118	1-13/16"	1-27/64"	1/2"	1/2"	2-7/8"
82-120	2"	2"	5/8"	1/2"	3-1/2"



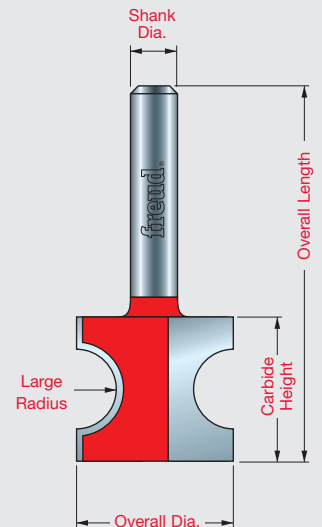
USE IN



APPLICATION

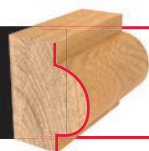
Produce a fully rounded edge on dimensional lumber or create an attractive half-round profile on furniture and moldings. Guiding device must be used.

MATERIALS



ROUTER BITS

EDGE TREATMENT & GROOVING BITS



Half Round Bits with Bearings

USE IN



Table Router Hand Router

APPLICATION

Produce a fully rounded edge on dimensional lumber or an attractive half round profile on furniture and moldings. Comes with ball bearing guide for template work.

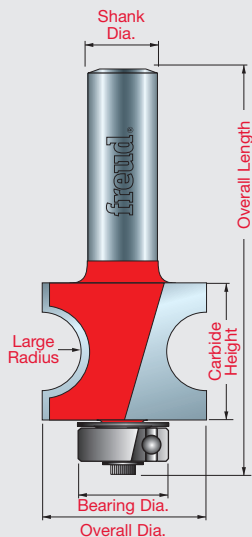
MATERIALS



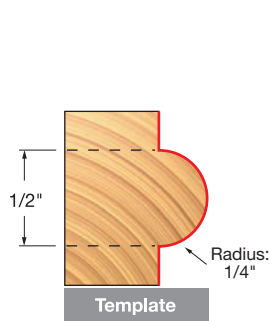
Hardwood Softwood



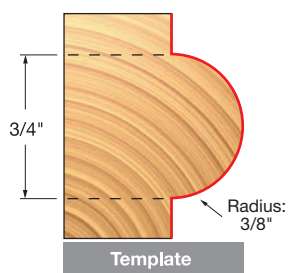
MDF Plywood



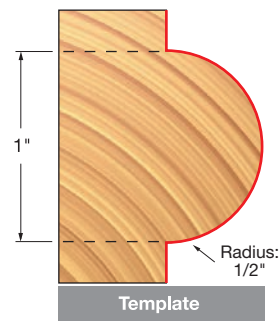
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
82-510	1-5/32"	5/8"	1"	1/4"	1/2"	2-7/8"
82-512	1-3/8"	5/8"	1-5/16"	3/8"	1/2"	3-1/4"
82-514	1-3/4"	3/4"	1-19/32"	1/2"	1/2"	3-3/4"
82-515	2"	3/4"	2"	5/8"	1/2"	3-13/16"



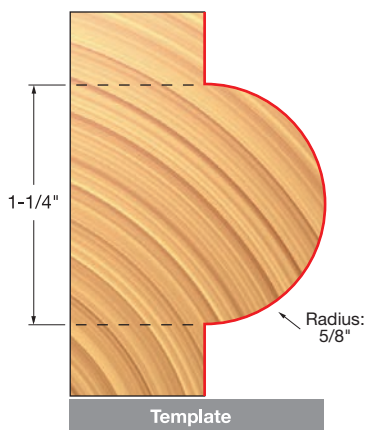
82-510



82-512

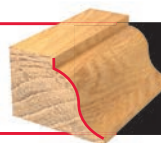


82-514



82-515

Decorative Edge Bits



EDGE TREATMENT & GROOVING BITS



USE IN



Table Router Hand Router

APPLICATION

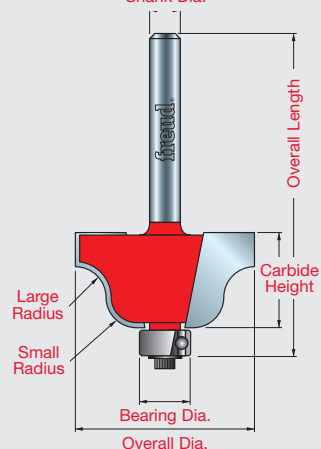
Add distinctive design to cabinets, furniture, plaques, and millwork

MATERIALS



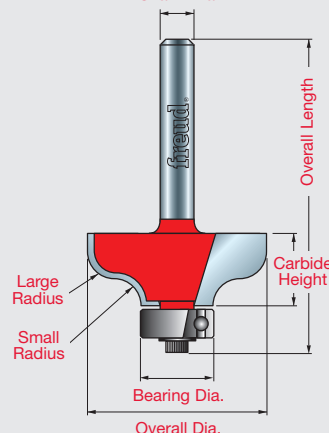
Roman Ogee Bit

Shank Dia.



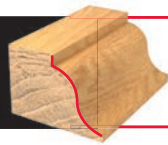
Ogee Bit

Shank Dia.



ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	MINOR HEIGHT	SHANK DIA.	OVERALL LENGTH
Roman Ogee Bits								
38-100	1-3/16"	1/2"	1/2"	5/32"	—	—	1/4"	2-3/16"
38-102	1-3/8"	3/8"	23/32"	1/4"	—	—	1/4"	2-3/8"
38-104	1-5/16"	5/8"	1/2"	5/32"	—	—	1/2"	2-3/8"
38-106	1-5/8"	5/8"	23/32"	1/4"	—	—	1/2"	2-9/16"
Ogee Bits								
38-152	1-1/4"	1/2"	1/2"	3/16"	—	—	1/4"	2-1/8"
38-154	1-1/2"	1/2"	5/8"	1/4"	—	—	1/4"	2-3/16"
99-006	1-5/8"	5/8"	21/32"	21/64"	—	—	1/2"	2-1/2"
38-172	1-3/8"	3/4"	1/2"	5/32"	—	—	1/2"	2-1/4"
Ogee Fillet Bits								
38-202	1-1/4"	3/8"	1/2"	3/16"	—	—	1/4"	2-1/8"
38-204	1-1/2"	3/8"	5/8"	1/4"	—	—	1/4"	2-3/16"
38-222	1-3/8"	5/8"	1/2"	5/32"	—	—	1/2"	2-1/4"
38-224	1-5/8"	1/2"	3/4"	1/4"	—	—	1/2"	2-1/2"
Classical Roman Ogee Bits								
38-402	1-1/4"	1/2"	19/32"	1/8"	—	15/64"	1/4"	2-3/16"
99-005	1-5/8"	3/4"	9/16"	3/16"	—	7/32"	1/2"	2-7/16"
Double Fillet Ogee Bit								
38-452	1-1/4"	3/8"	19/32"	1/8"	—	—	1/4"	2-3/16"
99-003	1-5/8"	5/8"	9/16"	11/64"	—	—	1/2"	2-5/16"
Cove & Bead Bits								
38-302	1-5/32"	3/8"	5/8"	1/8"	—	7/32"	1/4"	2-3/16"
38-304	1-9/16"	3/8"	23/32"	1/4"	—	7/32"	1/4"	2-5/16"
38-312	1-13/32"	5/8"	5/8"	1/8"	—	7/32"	1/2"	2-9/16"
38-314	1-11/16"	1/2"	23/32"	1/4"	—	7/32"	1/2"	2-3/4"
99-009	1-5/8"	5/8"	9/16"	13/64"	—	7/32"	1/2"	2-3/8"
Classical Cove & Bead Bits								
38-352	1-5/8"	5/8"	5/8"	1/4"	5/32"	—	1/4"	2-5/16"
38-362	1-3/8"	5/8"	5/8"	1/4"	5/32"	—	1/2"	2-1/2"
Classical Bold Cove & Round Bits								
38-502	1-1/4"	1/2"	7/16"	3/16"	—	—	1/4"	2-1/16"
38-504	1-1/2"	1/2"	11/16"	1/4"	—	—	1/4"	2-1/2"
Classical Bold Cove & Bead Bits								
38-522	1-1/4"	3/8"	7/16"	3/16"	—	—	1/4"	2-1/16"
38-524	1-1/2"	3/8"	11/16"	1/4"	—	—	1/4"	2-5/16"
Classical Cove & Round Bits								
38-602	1-1/8"	1/2"	1/2"	5/32"	—	5/64"	1/4"	2-5/16"
38-612	1-3/8"	3/4"	1/2"	5/32"	—	5/64"	1/2"	2-9/16"
38-613	1-3/8"	1/2"	3/4"	1/4"	3/16"	5/64"	1/4"	2-1/4"
38-614	1-5/8"	3/4"	11/16"	1/4"	3/16"	5/64"	1/2"	2-3/4"
38-622	1-1/8"	3/8"	1/2"	5/32"	—	5/64"	1/4"	2-5/16"
38-632	1-3/8"	5/8"	1/2"	5/32"	—	5/64"	1/2"	2-9/16"

EDGE TREATMENT & GROOVING BITS



Decorative Edge Bits

CONTINUED

USE IN



Table Router Hand Router

APPLICATION

Add distinctive design to cabinets, furniture, plaques, and millwork

MATERIALS



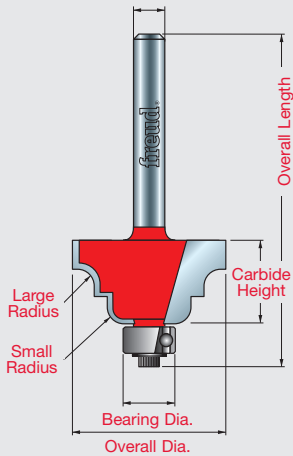
Hardwood Softwood



Plywood Laminate

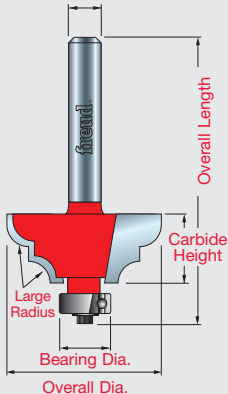
Cove & Bead Bit

Shank Dia.

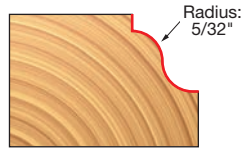


Classical Cove & Round Bits

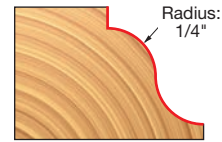
Shank Dia.



Roman Ogree Bits

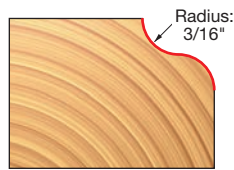


38-100 / 38-104

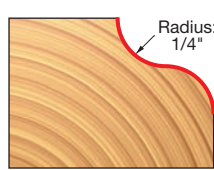


38-102 / 38-106

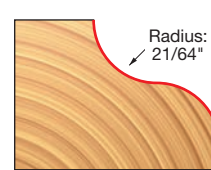
Ogree Bits



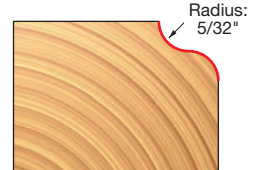
38-152



38-154

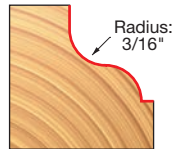


99-006

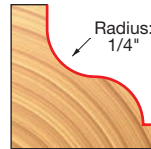


38-172

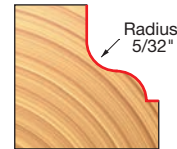
Ogree Fillet Bits



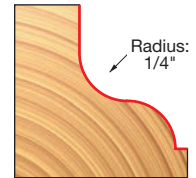
38-202



38-204

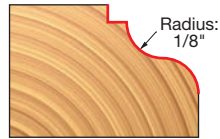


38-222



38-224

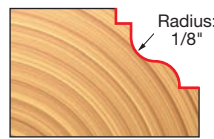
Classical Roman Ogree Bits



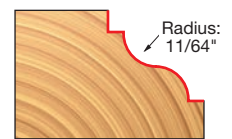
38-402



99-005



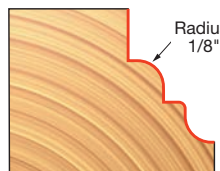
38-452



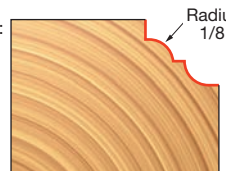
99-003

Double Fillet Ogree Bits

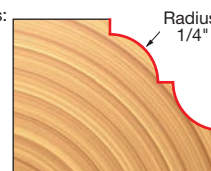
Cove & Bead Bits



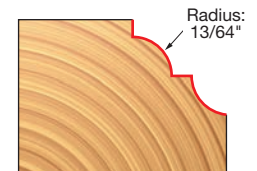
38-302



38-312

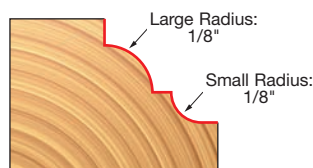


38-304 / 38-314



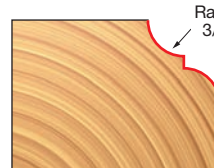
99-009

Classical Cove & Bead Bits

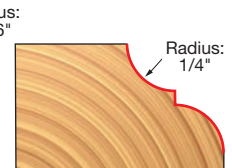


38-352 / 38-362

Classical Bold Cove & Round Bits

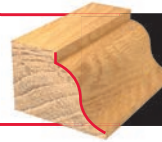


38-502



38-504

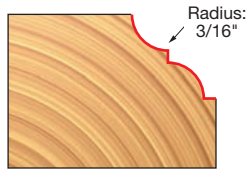
Decorative Edge Bits



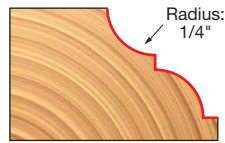
EDGE TREATMENT & GROOVING BITS

CONTINUED

Classical Bold Cove & Bead Bits

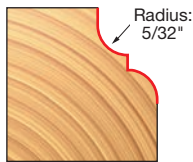


38-522

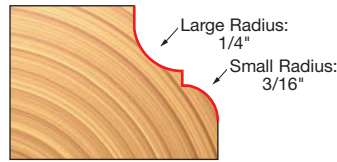


38-524

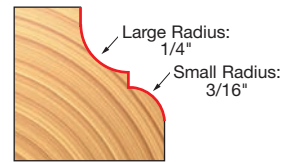
Classical Cove & Round Bits



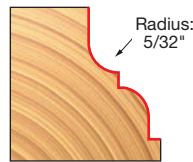
38-602 / 38-612



38-613



38-614



38-622 / 38-632

USE IN



Table Router Hand Router

APPLICATION

Add distinctive design to cabinets, furniture, plaques, and millwork

MATERIALS



Hardwood

Softwood

MDF

Plywood

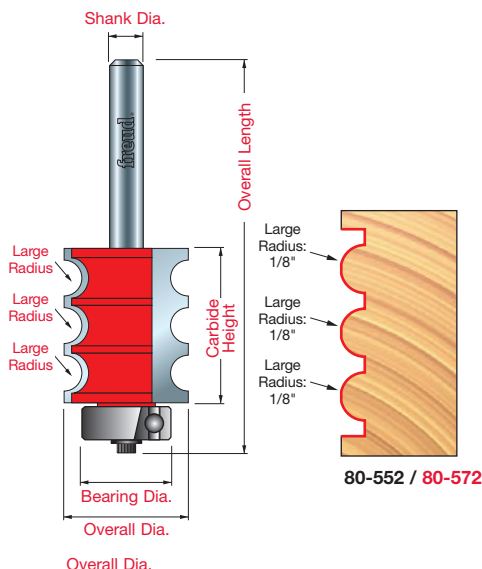
ROUTER BITS

Triple Beading & Fluting Bits

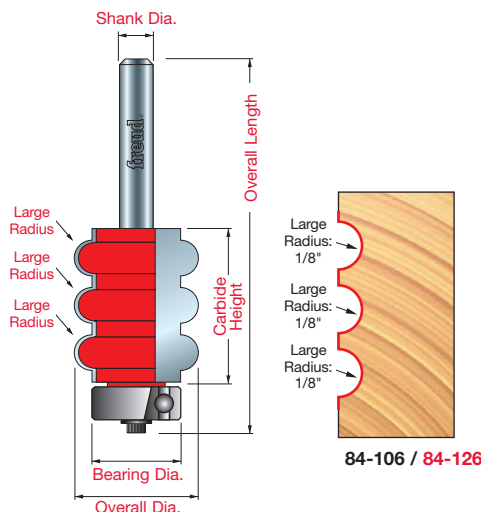


EDGE TREATMENT & GROOVING BITS

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
80-552	7/8"	5/8"	1-5/64"	1/8"	1/4"	2-3/4"
80-572	7/8"	5/8"	1-5/64"	1/8"	1/2"	3-1/8"
84-106	7/8"	5/8"	1-5/64"	1/8"	1/4"	2-5/8"
84-126	7/8"	5/8"	1-5/64"	1/8"	1/2"	3"



80-552 / 80-572



84-106 / 84-126

USE IN



Hand Router

CNC

APPLICATION

Columns, posts and decorative moldings. Enhances moldings and furniture with multiple beads and fluting.

MATERIALS



Hardwood

Softwood

MDF

Plywood

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

freud® 147

EDGE TREATMENT & GROOVING BITS



Bold Classical Bits

USE IN



Table Router Hand Router

APPLICATION

Forms beautiful wainscot and panel moldings. Create numerous molding profiles by using various bearings and multiple passes.

MATERIALS



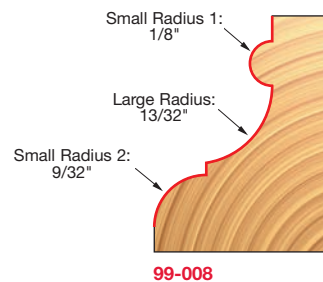
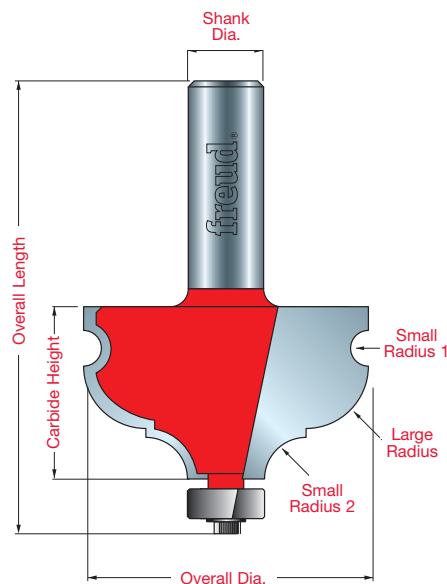
Hardwood

Softwood

MDF

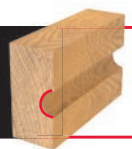
Plywood

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS 1	SMALL RADIUS 2	SHANK DIA.	OVERALL LENGTH
99-008	1-3/4"	1-1/8"	13/32"	9/32"	1/8"	1/2"	3"



99-008

EDGE TREATMENT & GROOVING BITS



Flute Bits

USE IN



Table Router Hand Router

APPLICATION

These bits include double bearings to create a fluted design for chair legs and moldings. Ideal for the production of Chippendale style furniture.

MATERIALS



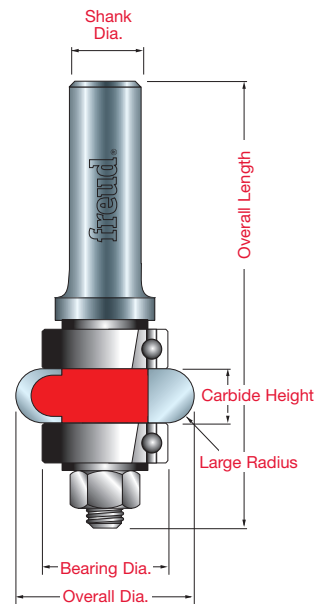
Hardwood

Softwood

MDF

Plywood

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
99-029	1-1/8"	1/4"	1/4"	1/8"	1/2"	3"
99-030	1-1/4"	3/8"	3/8"	3/16"	1/2"	3"



99-029



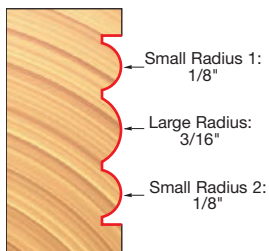
99-030

Triple Beading Bits

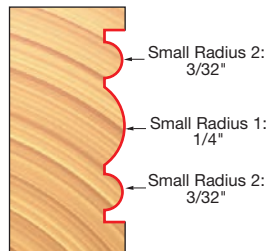


EDGE TREATMENT & GROOVING BITS

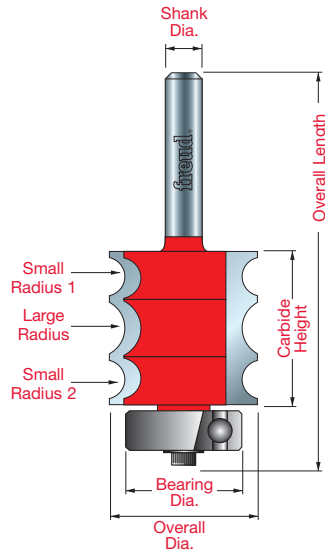
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	SMALL RADIUS 1	SMALL RADIUS 2	SHANK DIA.	OVERALL LENGTH
80-558	15/16"	3/4"	1"	3/16"	1/8"	1/4"	2-5/8"
80-578	15/16"	3/4"	1"	3/16"	1/8"	1/2"	2-3/4"
80-584	15/16"	3/4"	1"	1/4"	3/32"	1/2"	2-3/4"



80-558 / 80-578



80-584



USE IN

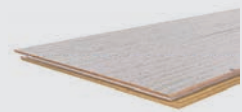


Table Router Hand Router

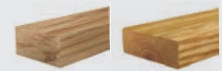
APPLICATION

Ornate multiple beads for decorative molding. Create three beads in one pass for decorative molding and furniture.

MATERIALS



All Plastic Laminates



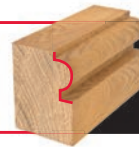
Hardwood Softwood



MDF

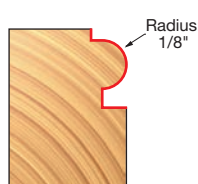
ROUTER BITS

Traditional Beading Bits

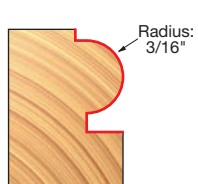


EDGE TREATMENT & GROOVING BITS

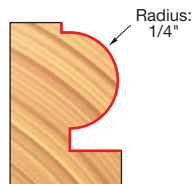
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
80-102	1"	1/2"	9/16"	1/8"	1/4"	2-3/16"
80-104	1-1/4"	1/2"	11/16"	3/16"	1/4"	2-5/16"
80-106	1-1/8"	1/2"	7/8"	1/4"	1/4"	2-3/8"
80-108	1-3/8"	1/2"	3/4"	9/32"	1/4"	2-3/8"
80-122	1"	1/2"	9/16"	1/8"	1/2"	2-7/16"
80-124	1-1/4"	1/2"	11/16"	3/16"	1/2"	2-9/16"
80-126	1-1/8"	1/2"	7/8"	1/4"	1/2"	2-5/8"
80-128	1-3/8"	1/2"	3/4"	9/32"	1/2"	2-5/8"
80-130	1-9/16"	1/2"	1"	3/8"	1/2"	2-7/8"



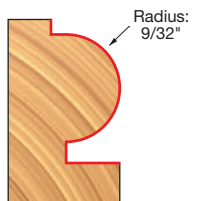
80-102 / 80-122



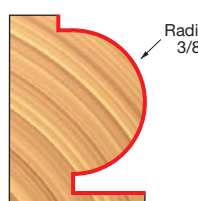
80-104 / 80-124



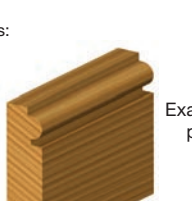
80-106 / 80-126



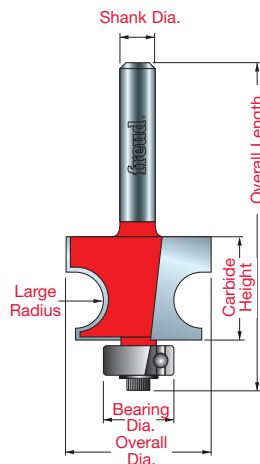
80-108 / 80-128



80-130



Example of profile



USE IN



Table Router Hand Router

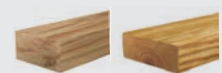
APPLICATION

Forms a single bead with a square shoulder. Commonly used by remodelers to match base moldings in historic homes.

MATERIALS



Countertop-grade laminates including Formica®, Wilsonart® and similar materials.



Hardwood Softwood



MDF

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

EDGE TREATMENT & GROOVING BITS



Corner Beading Bits

USE IN

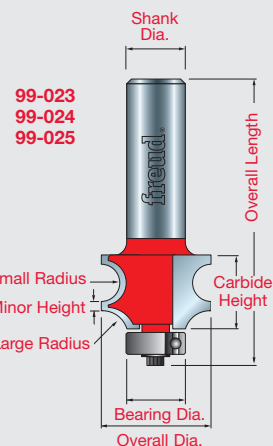
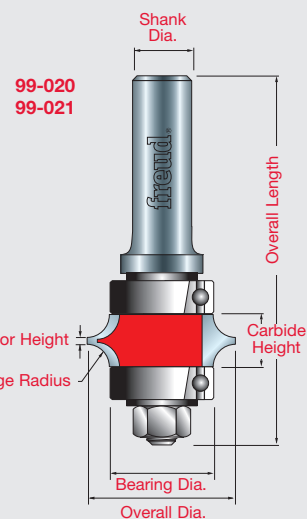


Table Router Hand Router

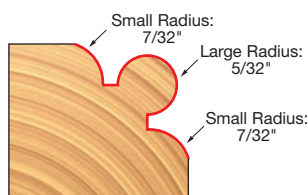
APPLICATION

Adds an attractive bead to beams, posts, railings, and millwork. Ideal for accenting square table legs.

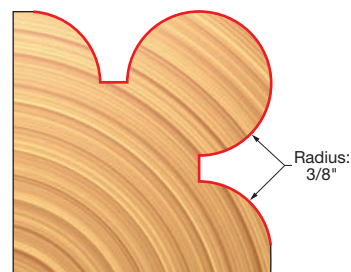
MATERIALS



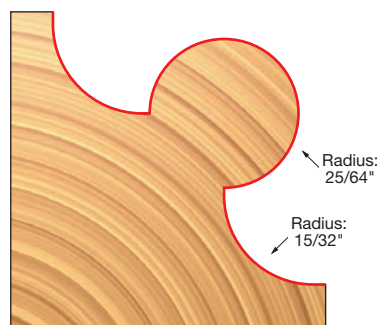
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	MINOR HEIGHT	SHANK DIA.	OVERALL LENGTH
99-020	15/16"	1/2"	5/8"	7/32"	5/32"	5/64"	1/2"	2-1/2"
99-021	1-1/4"	1/2"	1-15/32"	3/8"	—	9/64"	1/2"	3-3/8"
99-022	1-37/64"	1/2"	1-1/2"	15/32"	25/64"	15/64"	1/2"	3-3/8"
99-023	1-5/8"	7/8"	53/64"	3/8"	—	5/64"	1/2"	3-7/16"
99-024	1-3/8"	7/8"	37/64"	1/4"	—	5/64"	1/2"	3-3/16"
99-025	1-1/4"	7/8"	1/2"	3/16"	—	1/8"	1/2"	3-1/8"



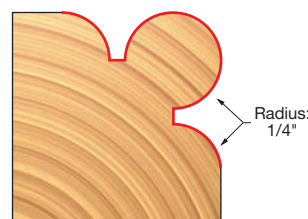
99-020



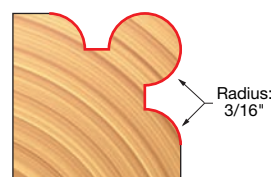
99-021 / 99-023



99-022



99-024



99-025

Table Top Edge Classical Bit



EDGE TREATMENT & GROOVING BITS

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-010	1-1/2"	5/8"	9/16"	3/8"	1/8"	1/2"	2-1/2"



USE IN

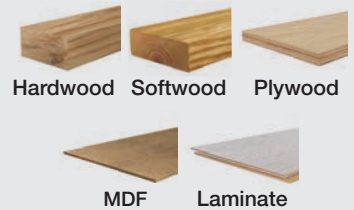


Table Router Hand Router

APPLICATION

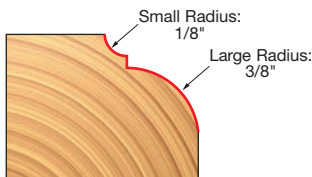
Ornamental edge for tables and desks. Ideal for enhancing the beauty of the wood found in occasional and dining room tables.

MATERIALS



Hardwood Softwood Plywood

MDF Laminate



99-010

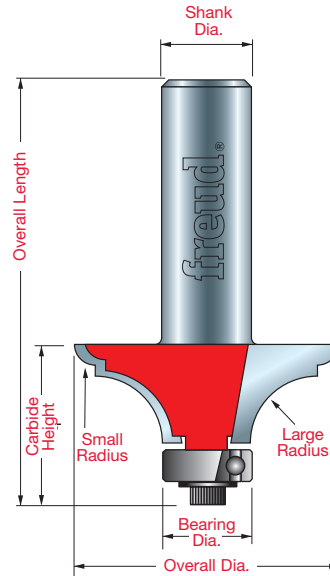


Table Top Edge Classical Bold Bit



EDGE TREATMENT & GROOVING BITS

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-011	1-5/8"	1/2"	5/8"	25/64"	11/64"	1/2"	2-1/2"



USE IN

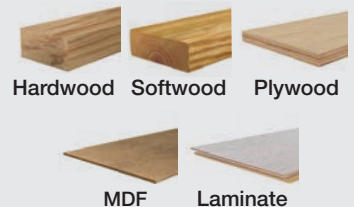


Table Router Hand Router

APPLICATION

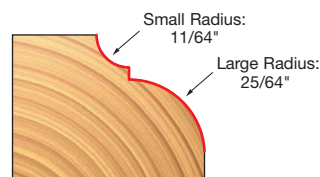
Decorative edge for tables and desks. Designed with sharp curves to generate a strong, uplifting edge.

MATERIALS

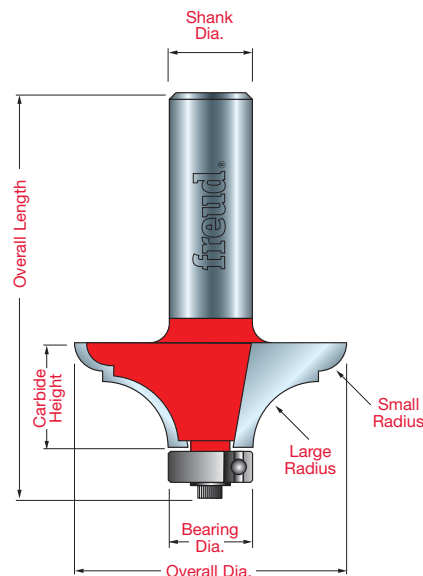


Hardwood Softwood Plywood

MDF Laminate



99-011



EDGE TREATMENT & GROOVING BITS



Chamfer Bits

USE IN



Table Router Hand Router

APPLICATION

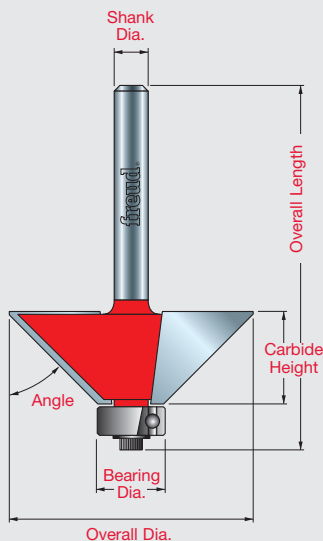
Creates a uniform chamfer on the edge of any work piece to add character, while retaining crisp geometric lines. #40-094 makes 16-sided pieces and #40-098 makes 12-sided pieces. Chamfer size easily adjusts by changing the height of the bit.

MATERIALS



Hardwood Softwood MDF

Plywood Laminate



ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
40-094	7/8"	1/2"	1"	11-1/4°	1/2"	2-3/4"
40-098	1"	1/2"	1"	15°	1/2"	2-7/8"
40-100	23/32"	1/2"	1/2"	15°	1/4"	2-3/16"
40-101	1-1/4"	1/2"	7/8"	22-1/2°	1/2"	2-5/8"
40-102	15/16"	1/2"	1/2"	25°	1/4"	2-3/16"
40-104	1-11/32"	1/2"	1/2"	45°	1/4"	2-3/16"
40-106	1-3/4"	1/2"	5/8"	45°	1/4"	2-3/16"
40-114	1-5/8"	3/8"	5/8"	45°	1/2"	2-9/16"
40-118	2-1/2"	1/2"	1"	45°	1/2"	2-7/8"
40-202	1-11/32"	1/2"	3/4"	30°	1/4"	2-1/4"
40-206	1-11/32"	1/2"	3/4"	30°	1/2"	2-3/4"



40-094



40-098



40-100



40-101



40-102



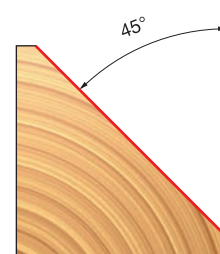
40-104



40-202 / 40-206



40-106 / 40-114

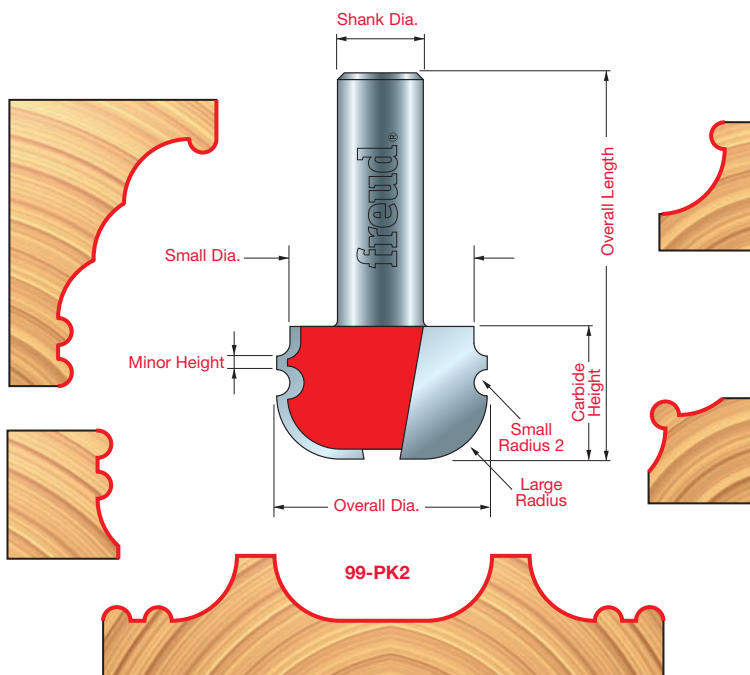
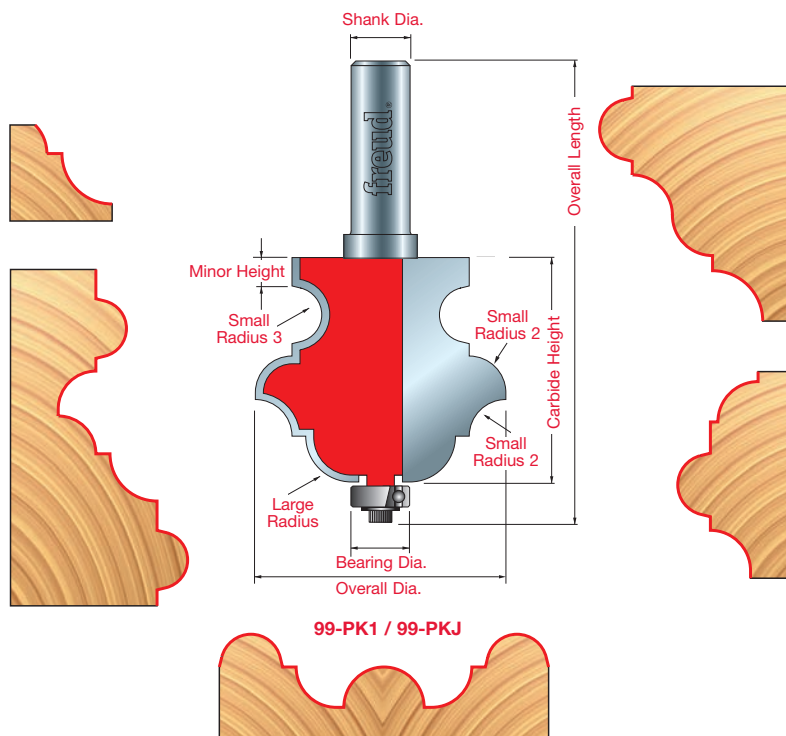


40-118

Multi Profile Bits

EDGE TREATMENT & GROOVING BITS

ITEM NUMBER	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS 1	SMALL RADIUS 2	SMALL RADIUS 3	SHANK DIA.	OVERALL LENGTH
99-PKJ	1-1/2"	—	1-7/64"	—	7/32"	3/16"	1/8"	1/2"	3"
99-PK1	2-5/32"	—	1-59/64"	—	25/64"	5/16"	15/64"	1/2"	4"
99-PK2	1-1/4"	1-3/32"	51/64"	5/64"	3/8"	5/64"	—	1/2"	2-1/4"
99-PK3	1-1/4"	1-3/32"	29/32"	5/64"	3/8"	5/64"	—	1/2"	2-7/16"
99-PK7	2-33/64"	1-7/32"	1-51/64"	3/32"	1/4"	3/16"	—	1/2"	3-1/2"



USE IN



APPLICATION

Thick carbide tips and a sturdy 1/2" shank allow you to produce countless molding profiles. Produce an endless number of profile designs by varying the height and fence settings and making multiple passes.

MATERIALS



Examples of multi-profiles



EDGE TREATMENT & GROOVING BITS



Multi Profile Bits

CONTINUED

USE IN



Table Router Hand Router

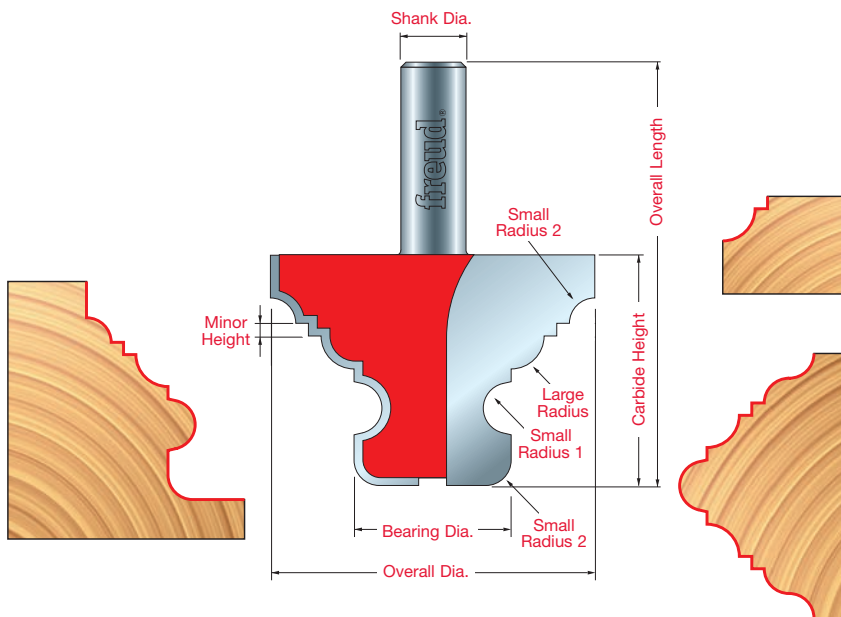
APPLICATION

Thick carbide tips and a sturdy 1/2" shank allow you to produce countless molding profiles. Produce an endless number of profile designs by varying the height and fence settings and making multiple passes.

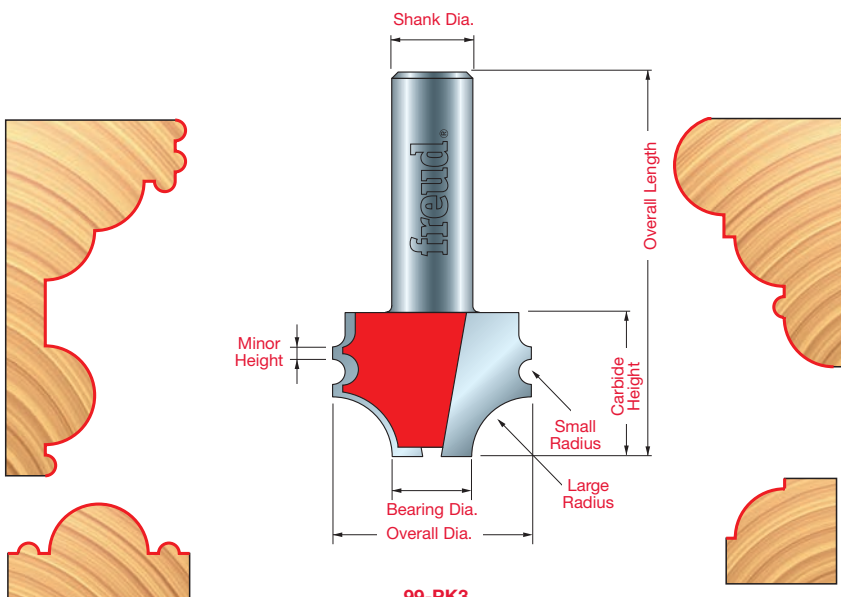
MATERIALS



Examples of multi-profiles



99-PK7



99-PK3



Brick Molding Bit

ARCHITECTURAL MILLWORK BITS

ITEM NUMBER	PROFILE DESIGN	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
99-460	Brick Molding #180	3-1/2"	1/2"	1/2"	3"



Architectural
Molding
Series

USE IN



Table Router



CNC

APPLICATION

Creates industry standard Brick Molding profile #180. Mill straight or arched molding to fit windows, doors or arched openings. Features Freud's patented Quadra-Cut™ technology for extra-clean cuts in cross-grain applications.

MATERIALS



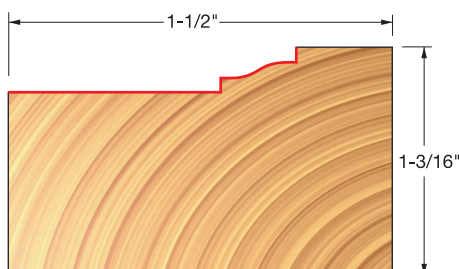
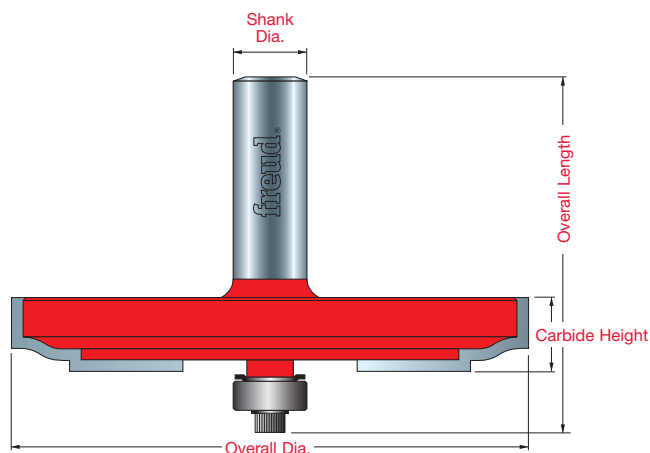
Hardwood



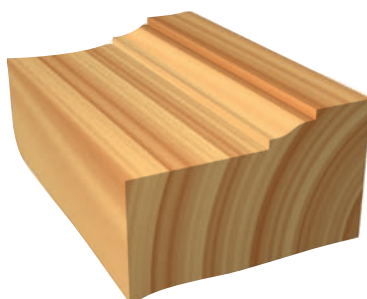
Softwood



MDF



99-460
Standard Brick Molding
Profile # 180



ROUTER BITS

ARCHITECTURAL MILLWORK BIT



Casing Bits



Architectural Molding Series

USE IN



Table Router



CNC

APPLICATION

Creates industry standard casing profiles #356, #366, #376, and #445. Perfectly match four standard door casing designs with your choice of wood. Add elegant detail to doors, windows, built-ins and many other projects.

MATERIALS



Hardwood

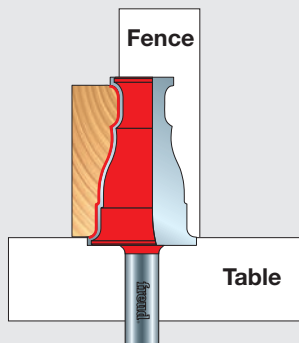


Softwood

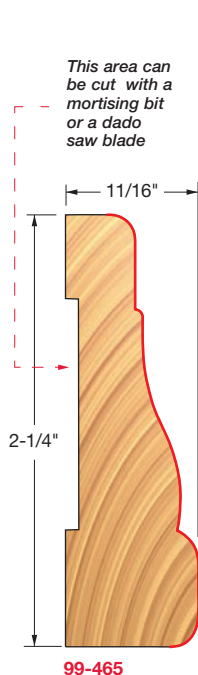


MDF

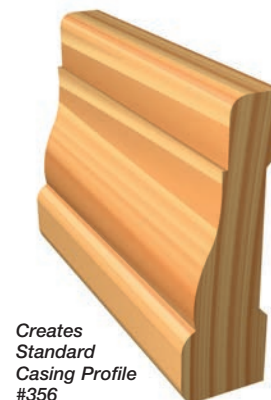
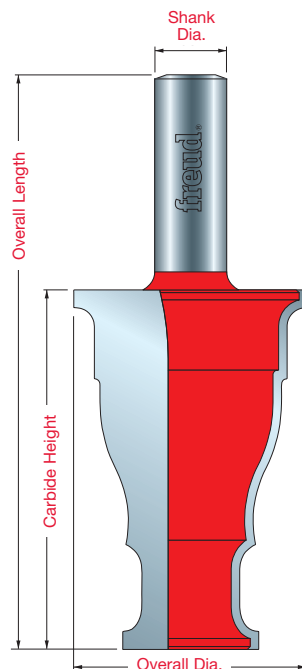
ROUTING TECHNIQUE FOR ALL CASING PROFILES



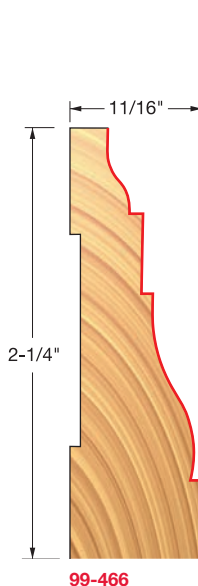
ITEM NUMBER	PROFILE DESIGN	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
99-465	Casing #356	1-5/8"	2-1/2"	1/2"	4"
99-466	Casing #366	1-1/2"	1-13/16"	1/2"	3-9/32"
99-467	Casing #376	1-5/8"	1-15/16"	1/2"	3-7/16"
99-468	Casing #445	1-1/2"	2-7/8"	1/2"	4-3/8"



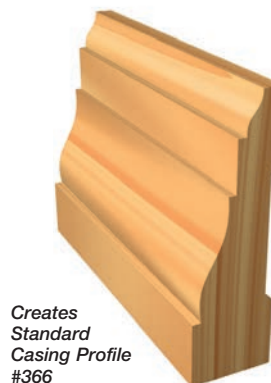
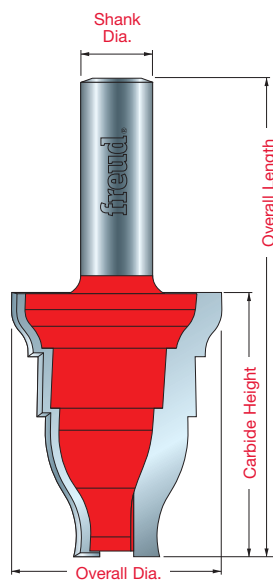
99-465



Creates
Standard
Casing Profile
#356



99-466



Creates
Standard
Casing Profile
#366

Casing Bits

CONTINUED

ARCHITECTURAL MILLWORK BITS



**Architectural
Molding
Series**

USE IN



Table Router



CNC

APPLICATION

Creates industry standard casing profiles #356, #366, #376, and #445. Perfectly match four standard door casing designs with your choice of wood. Add elegant detail to doors, windows, built-ins and many other projects.

MATERIALS



Hardwood

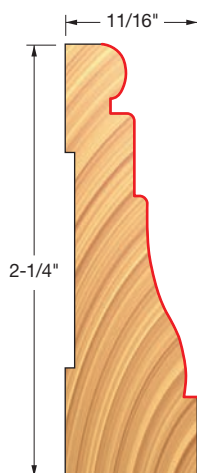
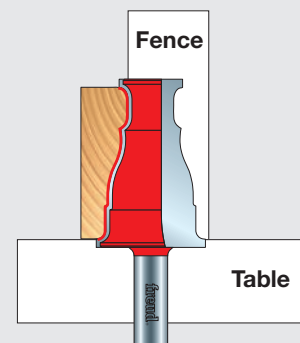


Softwood

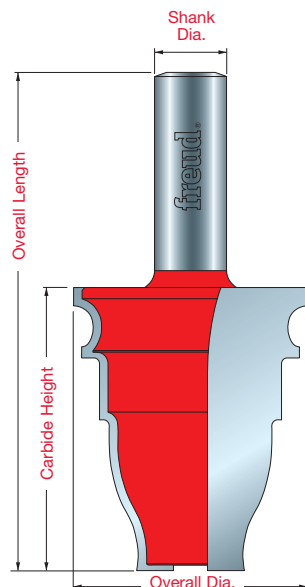


MDF

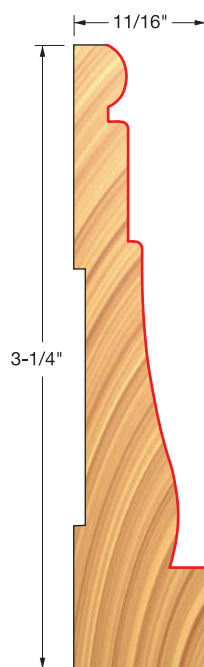
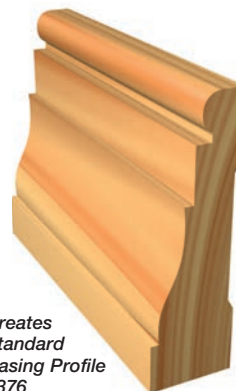
**ROUTING
TECHNIQUE
FOR ALL CASING
PROFILES**



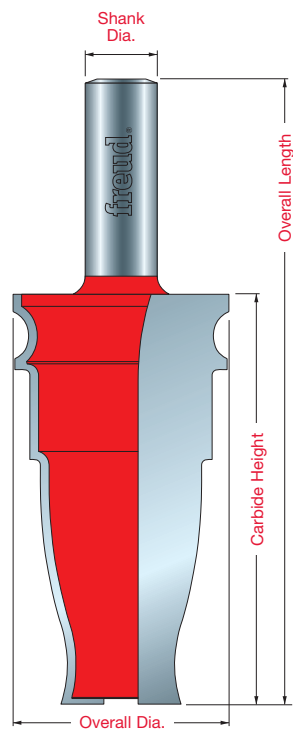
99-467



Creates
Standard
Casing Profile
#376



99-468



Creates
Standard
Casing Profile
#445



ARCHITECTURAL MILLWORK BITS



Chair Rail Bits



Architectural Molding Series

USE IN



Table Router CNC

APPLICATION

Creates standard decorative chair rail profiles as well as beautiful panel moldings. Create two very popular chair rail designs. Bits for chair #300 can also be used by themselves for other profiles.

MATERIALS

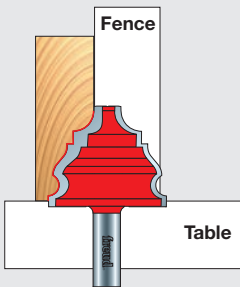


Hardwood Softwood

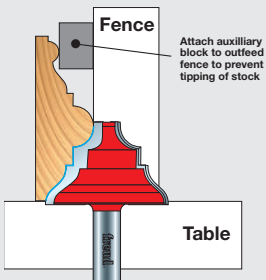
MDF

ROUTING TECHNIQUE

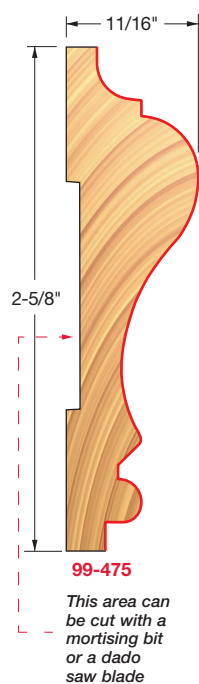
First Cut (Using Bit 99-478)



Second Cut (Using Bit 99-477)

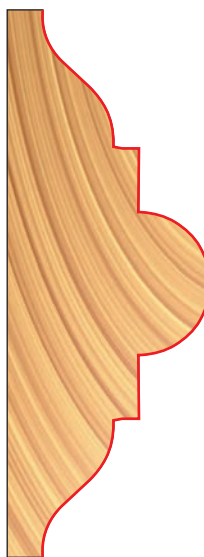
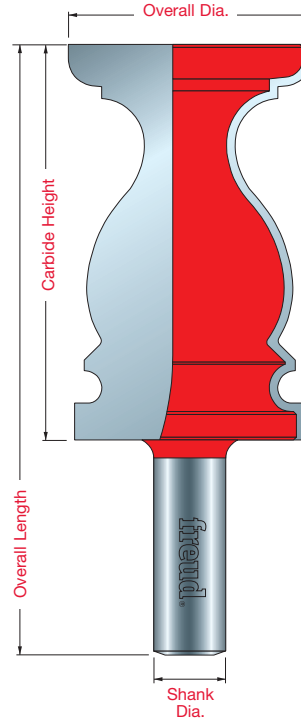


ITEM NUMBER	PROFILE DESIGN	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
99-475	Chair Rail #390	1-11/16"	2-3/4"	1/2"	4-1/4"
99-477	Chair #300, upper	2-1/4"	1-1/2"	1/2"	3"
99-478	Chair #300, lower	2-3/16"	1-13/16"	1/2"	3-5/16"



99-475

This area can be cut with a mortising bit or a dado saw blade



99-477



Chair Rail Bits

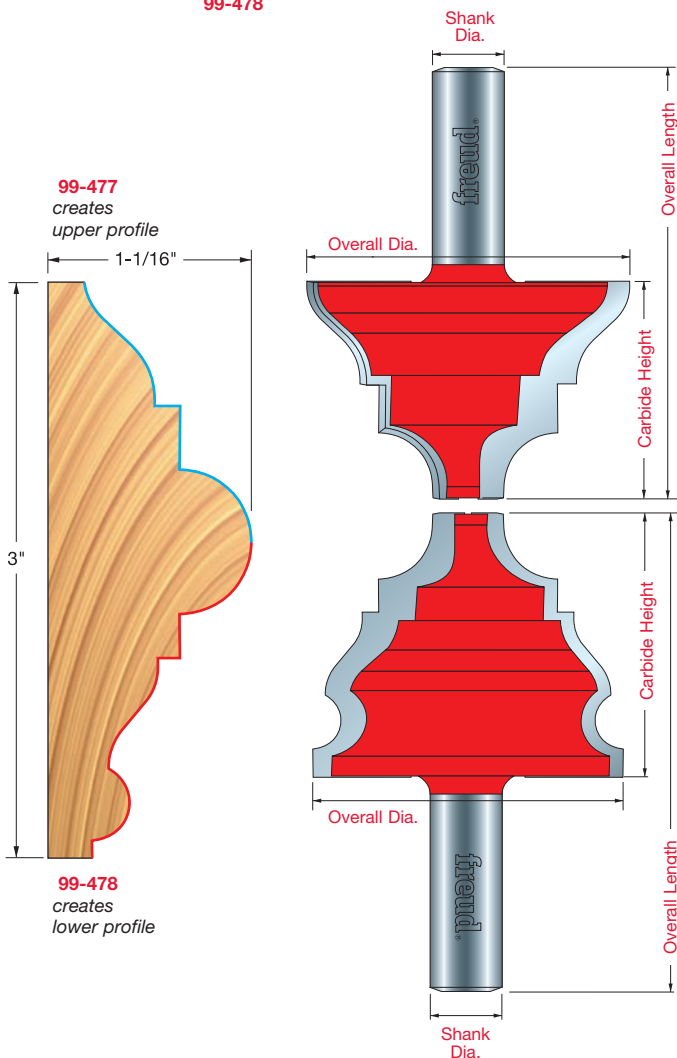
CONTINUED



99-478



not to scale



99-477
creates
upper profile

99-478
creates
lower profile

ARCHITECTURAL MILLWORK BITS



Architectural
Molding
Series

USE IN



Table Router



CNC

APPLICATION

Creates standard decorative chair rail profiles as well as beautiful panel moldings. Create two very popular chair rail designs. Bits for chair #300 can also be used by themselves for other profiles.

MATERIALS



Hardwood



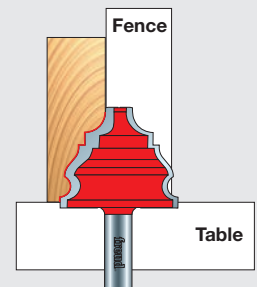
Softwood



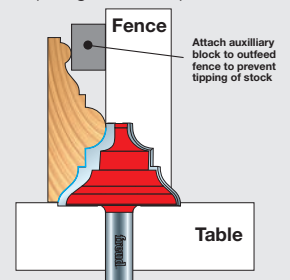
MDF

ROUTING TECHNIQUE

First Cut
(Using Bit 99-478)



Second Cut
(Using Bit 99-477)



* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

ARCHITECTURAL MILLWORK BITS

Base and Cap Bits



Architectural Molding Series

USE IN



Table Router

CNC

APPLICATION

Mill base or traditional "mop" boards in any width. Ideal for renovators who need to match old, extra-high base moldings. Bits can be used to rout base cap only, or to profile the edge of wide base molding.

MATERIALS

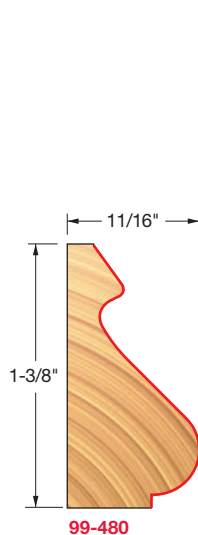


Hardwood

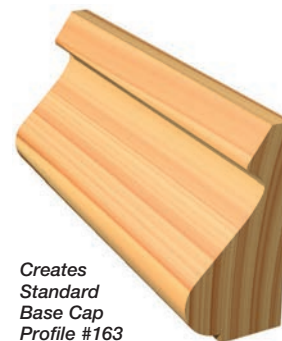
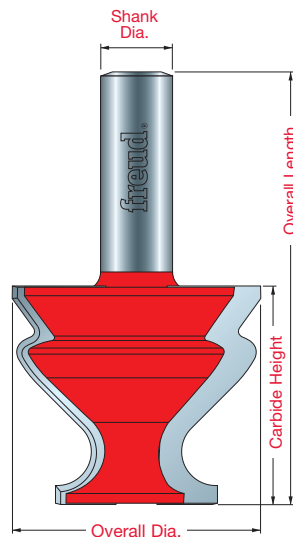
Softwood

MDF

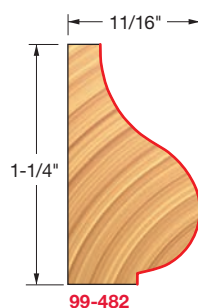
ITEM NUMBER	PROFILE DESIGN	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
99-480	Base Cap #163	1-3/4"	1-1/2"	1/2"	3"
99-482	Base Cap #166	1-11/16"	1-1/2"	1/2"	2-7/8"
99-484	Base Molding*	1-11/16"	15/32"	1/2"	2-3/8"



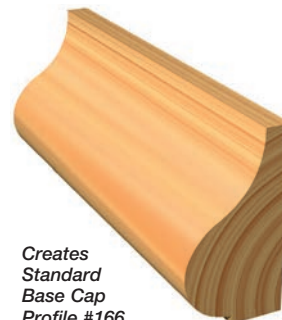
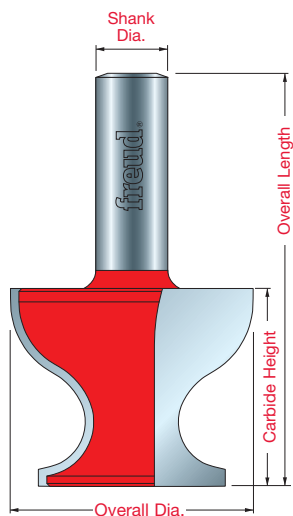
99-480



Creates
Standard
Base Cap
Profile #163



99-482



Creates
Standard
Base Cap
Profile #166

Base and Cap Bits

CONTINUED

ARCHITECTURAL MILLWORK BITS



**Architectural
Molding
Series**

USE IN



Table Router



CNC

APPLICATION

Mill base or traditional "mop" boards in any width. Ideal for renovators who need to match old, extra-high base moldings. Bits can be used to rout base cap only, or to profile the edge of wide base molding.

MATERIALS



Hardwood



Softwood

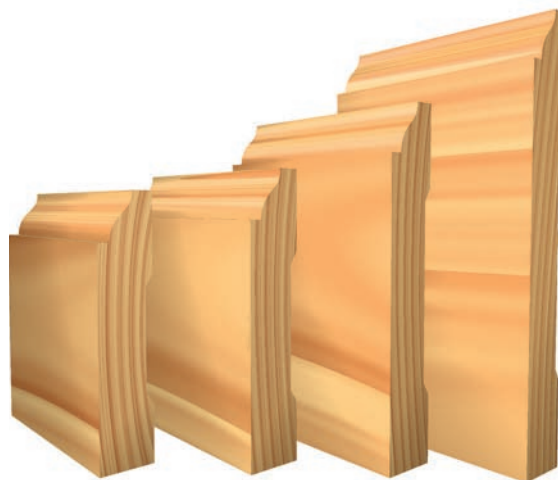
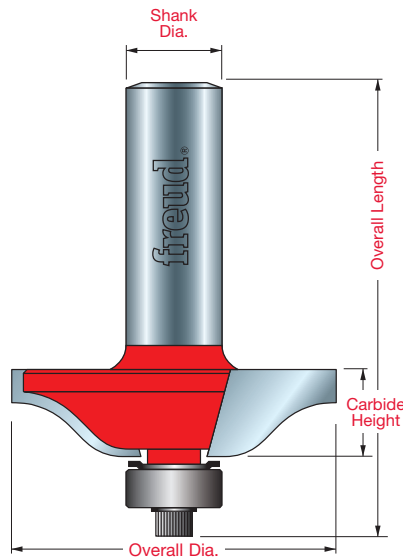


MDF



99-484

This area can be cut with a mortising bit or a dado saw blade



*Creates Standard Base Cap Profile
#618, #620, #622, #623 & #624*

ROUTER BITS

ARCHITECTURAL MILLWORK BITS

Beadboard Bit System



Architectural Molding Series

USE IN



Table Router

CNC

APPLICATION

Create beautiful wainscoting, paneling, back panels for bookcases, and much more. Mills traditional beadboard in a variety of thicknesses and widths. Includes two slot cutters to rout either 1/4" or 1/16" tongue & groove joints.

MATERIALS



Hardwood

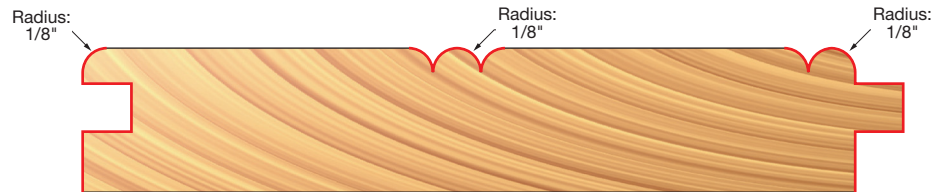
Softwood

MDF

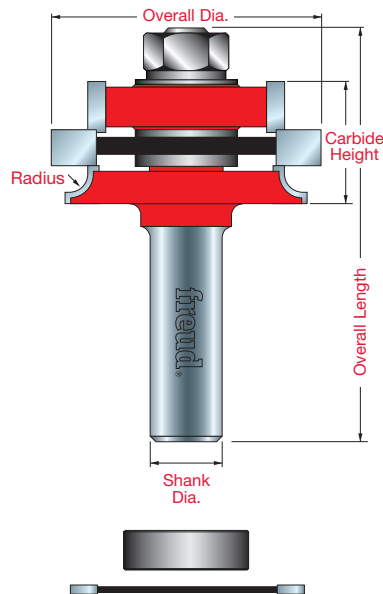
ITEM NUMBER	PROFILE DESIGN	OVERALL DIA.	CARBIDE HEIGHT	RADIUS	SHANK DIA.	OVERALL LENGTH
20-301*	Radius V Groove Bit	1/4"	3/16"	1/8"	1/4"	1-3/4"
99-472	Beadboard Tongue & Groove Bit	1-7/8"	13/16"	1/8"	1/2"	2-7/8"



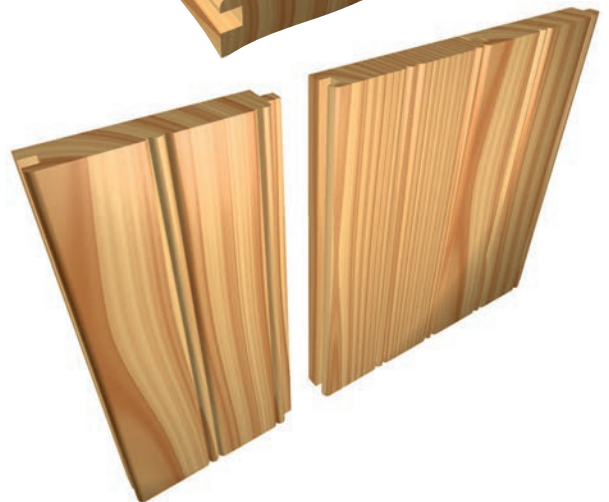
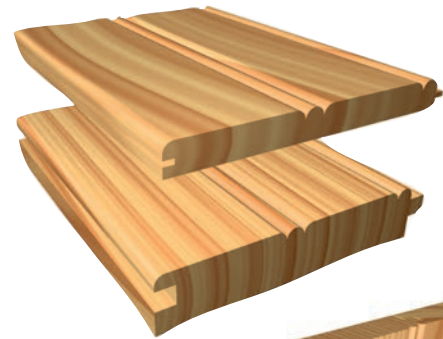
20-301



20-301 & 99-472



99-472



Beadboard Bit System

CONTINUED

ARCHITECTURAL MILLWORK BITS



**Architectural
Molding
Series**

USE IN



Table Router



CNC

APPLICATION

Create beautiful wainscoting, paneling, back panels for bookcases, and much more. Mills traditional beadboard in a variety of thicknesses and widths. Includes two slot cutters to rout either 1/4" or 1/16" tongue & groove joints.

MATERIALS



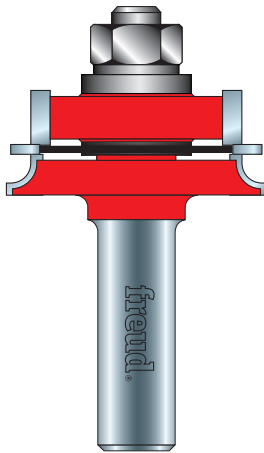
Hardwood



Softwood

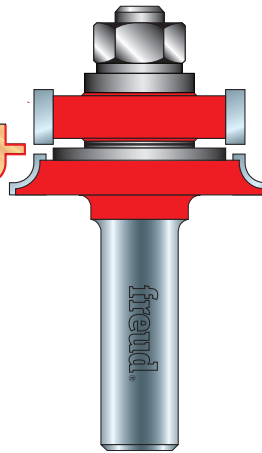
ROUTER BITS

Groove Cut
Configuration

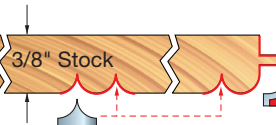


99-472

Tongue Cut
Configuration

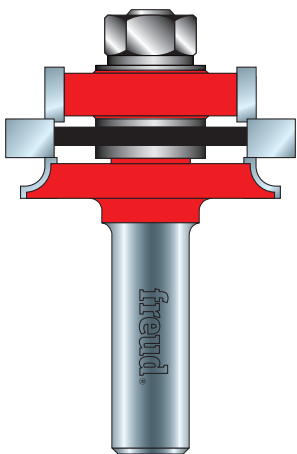


99-472



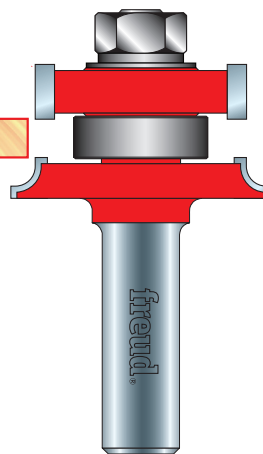
20-301

Groove Cut
Configuration

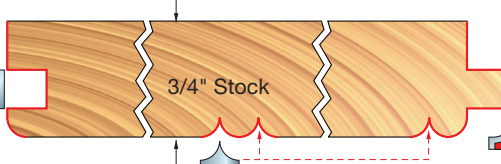


99-472

Tongue Cut
Configuration



99-472



20-301

ARCHITECTURAL MILLWORK BITS

Table Edge & Handrail Bits

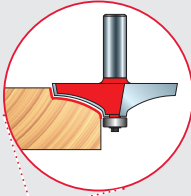
USE IN



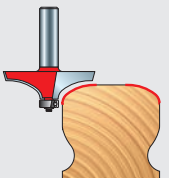
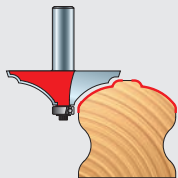
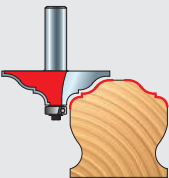
APPLICATION

Attractive edging of tables, plaques and staircase handrails. Combine with another rail profile to create a custom railing design.

MATERIALS



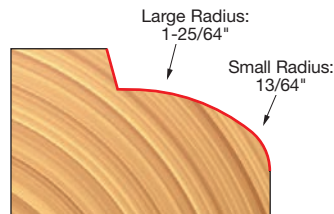
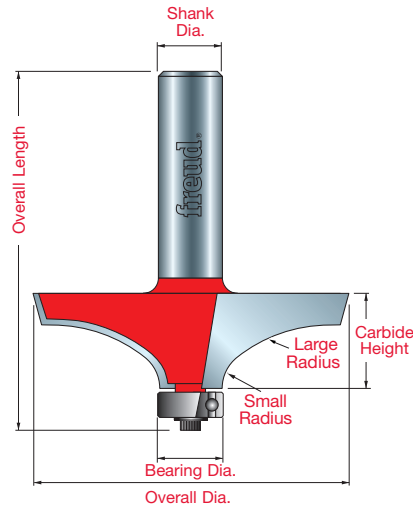
Example of table edge profile



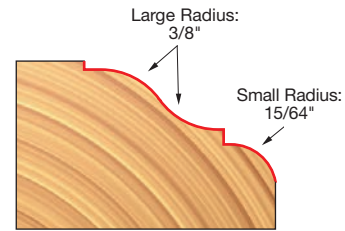
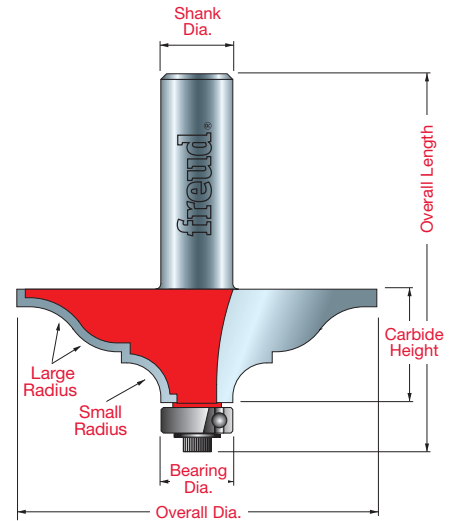
Examples of various handrail profiles



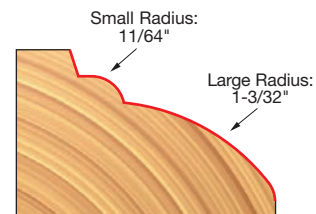
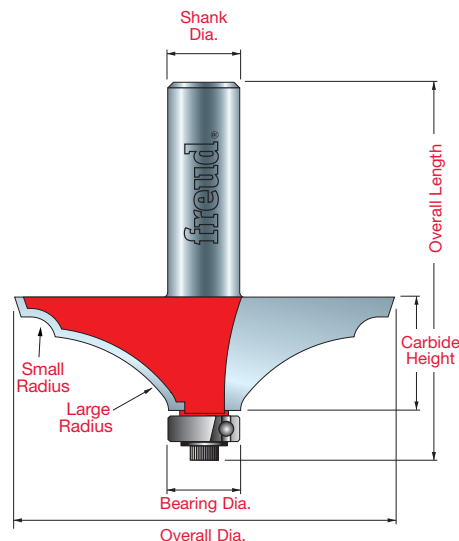
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-027	2-19/32"	1/2"	23/32"	1-25/32"	13/64"	1/2"	2-5/8"
99-450	2-1/2"	1/2"	25/32"	3/8"	15/64"	1/2"	2-3/4"
99-452	2-5/8"	1/2"	25/32"	1-3/32"	11/64"	1/2"	2-3/4"



99-027



99-450

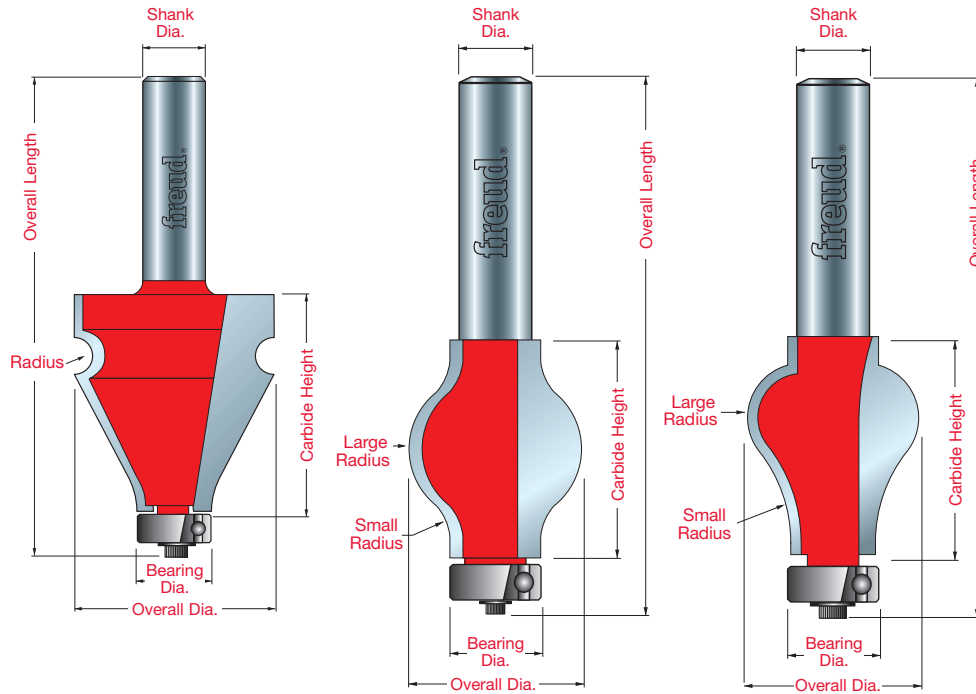


99-452

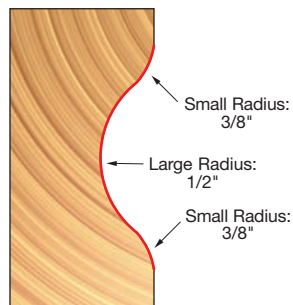
Handrail Bits

ARCHITECTURAL MILLWORK BITS

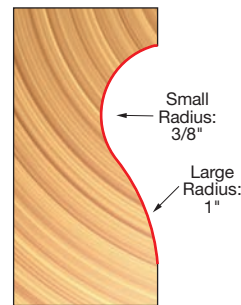
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-442	1-3/16"	5/8"	1-1/2"	1"	3/8"	1/2"	3-1/2"
99-444	1-3/16"	5/8"	1-1/2"	1/2"	3/8"	1/2"	3-1/2"
99-446	1-3/8"	1/2"	1-1/2"	1/8"	-	1/2"	3-1/4"



99-446



99-444



99-442

USE IN



Table Router



CNC

APPLICATION

Creating custom banisters and handrails. Use these bits for the lower profile on a handrail; select Freud bit 99-450, 99-452 or 99-027 for the top profile.

MATERIALS



Hardwood



Softwood

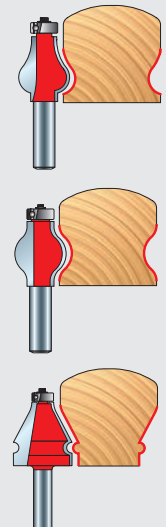


MDF



Plywood

Examples of various handrail profiles



ARCHITECTURAL MILLWORK BITS

Face Molding Bits

USE IN



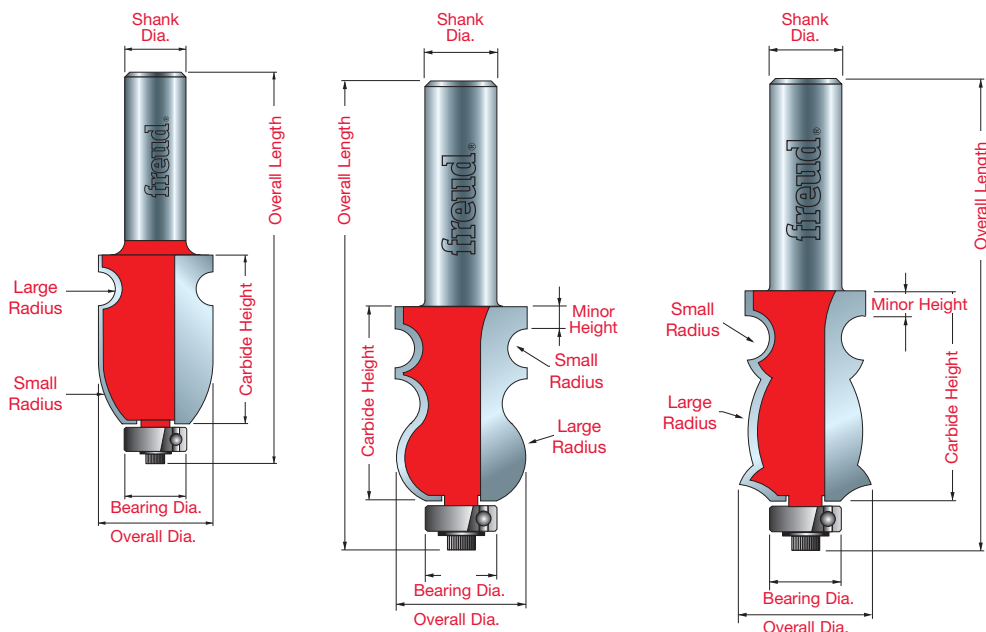
APPLICATION

Door casings, trim, baseboards, and pilasters. Add architectural detail to your furniture, cabinets and millwork.

MATERIALS



ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-012	15/16"	1/2"	1-3/8"	3/32"	25/32"	9/64"	1/2"	3-1/4"
99-013	15/16"	1/2"	1-3/8"	5/32"	21/64"	9/64"	1/2"	3-1/4"
99-014	15/16"	1/2"	1-1/2"	11/64"	25/32"	5/32"	1/2"	3-3/8"
99-015	1-1/16"	1/2"	1-5/8"	5/64"	5/16"	1/8"	1/2"	3-1/2"
99-016	1"	1/2"	7/8"	1/8"	45/64"	1/8"	1/2"	2-3/4"



99-012



99-013



99-014

Face Molding Bits

CONTINUED

ARCHITECTURAL MILLWORK BITS

USE IN



Table Router



CNC

APPLICATION

Door casings, trim, baseboards, and pilasters. Add architectural detail to your furniture, cabinets and millwork.

MATERIALS



Hardwood



Softwood

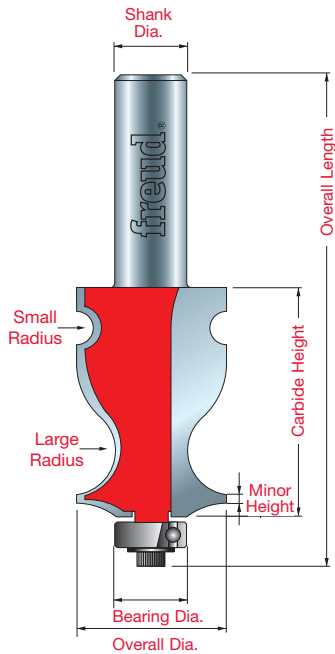


MDF

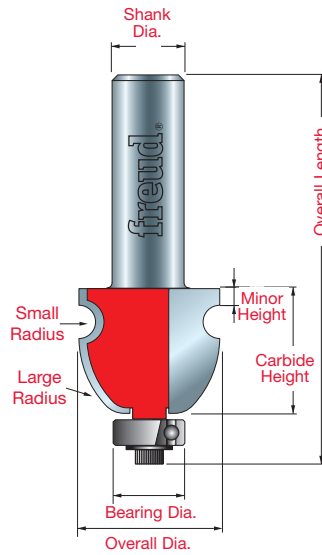


Plywood

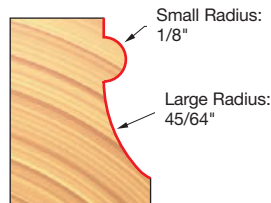
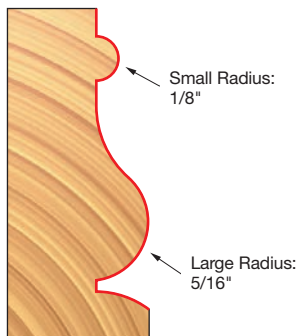
ROUTER BITS



99-015



99-016



ARCHITECTURAL MILLWORK BITS

Reversible Wainscoting Bit

USE IN



Table Router Hand Router

APPLICATION

For milling matching joints in wainscoting. Works with stock from 1/2" to 5/8" thick, and mills matching frame joints with remarkable ease and precision. Bit height is set one time for male and female joints without requiring fence or height adjustments. Just rout stiles face down and rails face up for a perfect fit. Versatile design—after routing the matching profiles, if using panels, rout a rabbet on the back to accept the tongue of a raised panel in 3/4" stock.

MATERIALS



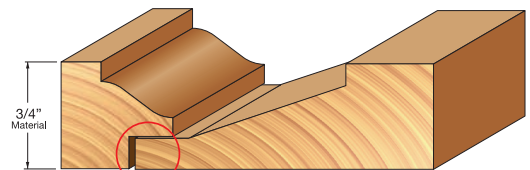
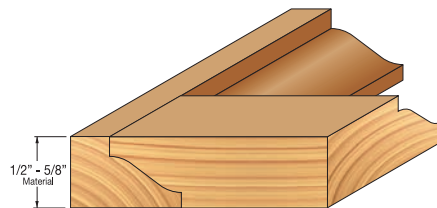
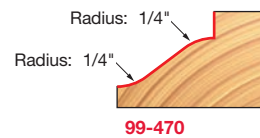
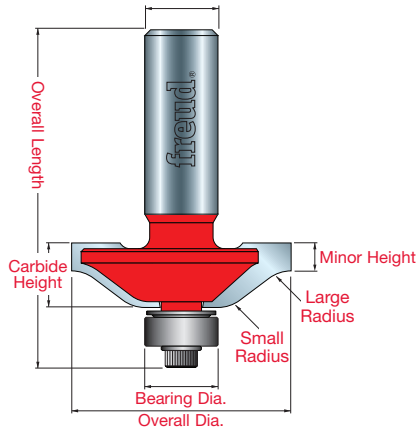
Hardwood

Softwood

MDF

Plywood

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-470	1-1/2"	1/2"	7/16"	1/4"	3/16"	1/2"	2-1/4"	3-1/4"



#99-515 or other raised panel profile.

This application requires a rabbeting bit for the rail/stile and a raised panel bit, both sold separately.

Wide Crown Molding System

ARCHITECTURAL MILLWORK BITS

ITEM NUMBER	PROFILE NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
Upper Profiles					
99-414	Upper 1	1-5/16"	3"	1/2"	4-7/16"
99-416	Upper 3	1-13/32"	3"	1/2"	4-7/16"
99-418	Upper 5	1-1/4"	3"	1/2"	4-7/16"
Lower Profiles					
99-415	Lower 2	1-3/8"	3-1/16"	1/2"	4-9/16"
99-417	Lower 4	1-3/8"	3-1/16"	1/2"	4-9/16"
99-419	Lower 6	1-3/8"	3-1/16"	1/2"	4-9/16"
Molding Bevel Cutter					
99-421	—	2-3/8"	1-3/8"	1/2"	2-13/16"

USE IN



Table Router



CNC

APPLICATION

Milling 5-1/2" wide Crown Molding for ceilings. Mix and match bits for upper and lower profiles to produce nine different designs. Use only in a router table with minimum 6" high fence, mill in 3 or more passes. Use featherboards and hold downs to hold stock down & against the fence. Use pusher blocks or a push stick to feed stock. Make test cuts in scrap stock first.

MATERIALS



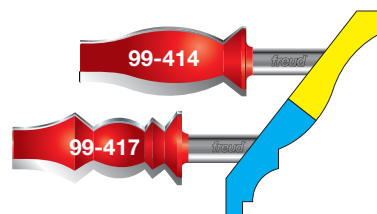
Hardwood



Softwood

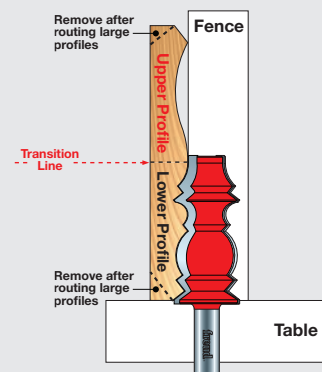
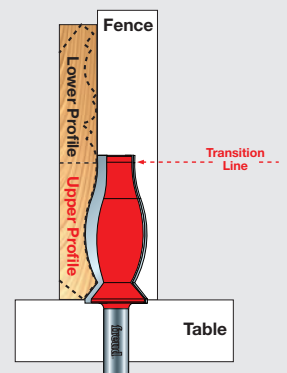
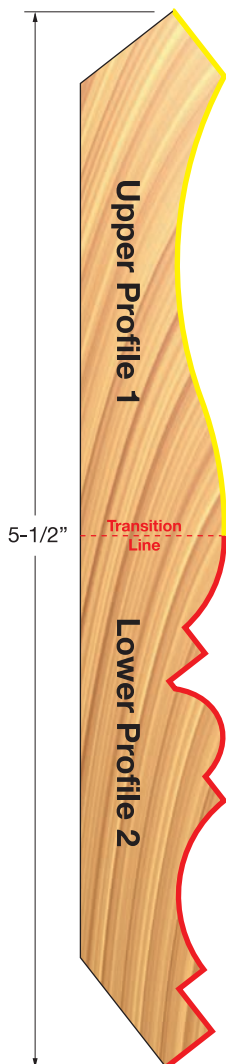
ROUTER BITS

Freud's Wide Crown Molding 2 Piece Bit Set allows you to create the most popular crown molding profiles!



98-507 2 piece set

Example of Crown Molding profile made with Upper Profile bit #1 & Lower Profile Bit #2. By combining the Upper and Lower Profile bits, 9 different profile combinations can be achieved.



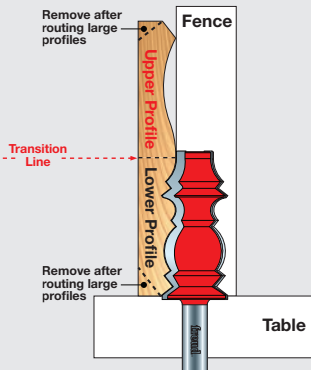
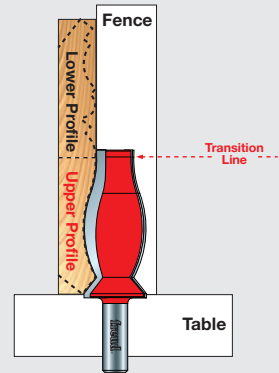
USE IN



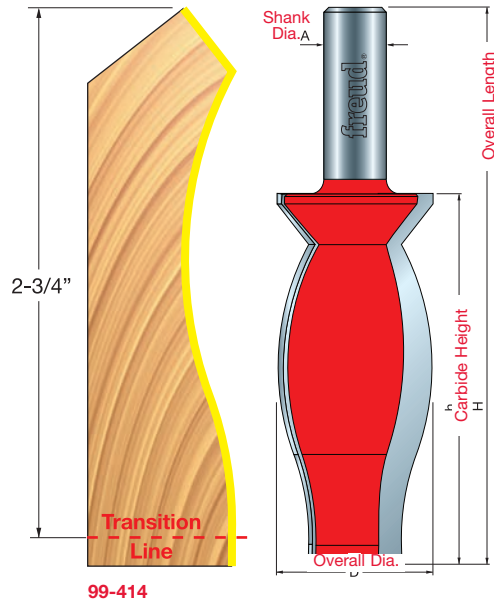
APPLICATION

Milling 5-1/2" wide Crown Molding for ceilings. Mix and match bits for upper and lower profiles to produce nine different designs. Use only in a router table with minimum 6" high fence, mill in 3 or more passes. Use featherboards and hold downs to hold stock down & against the fence. Use pusher blocks or a push stick to feed stock. Make test cuts in scrap stock first.

MATERIALS

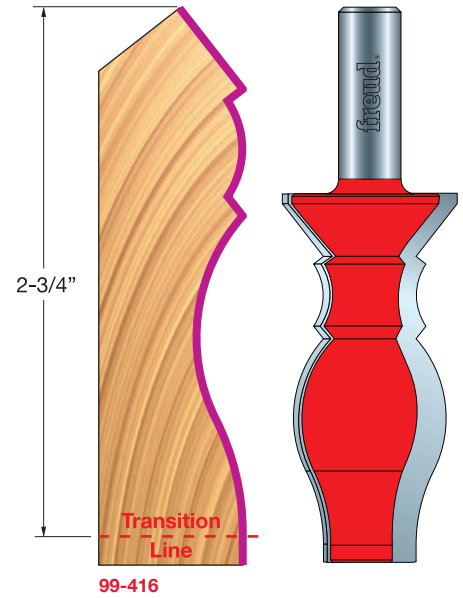


UPPER PROFILE 1



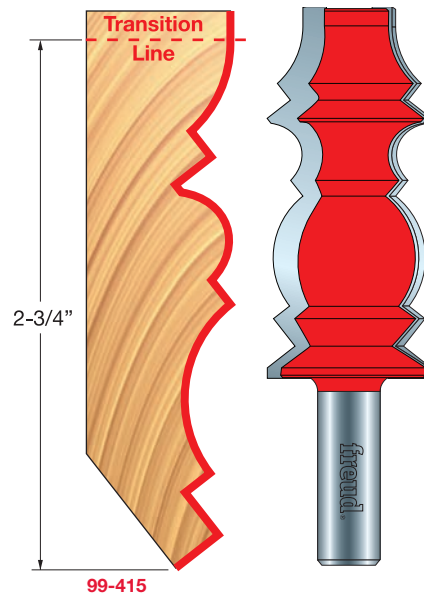
99-414

UPPER PROFILE 3



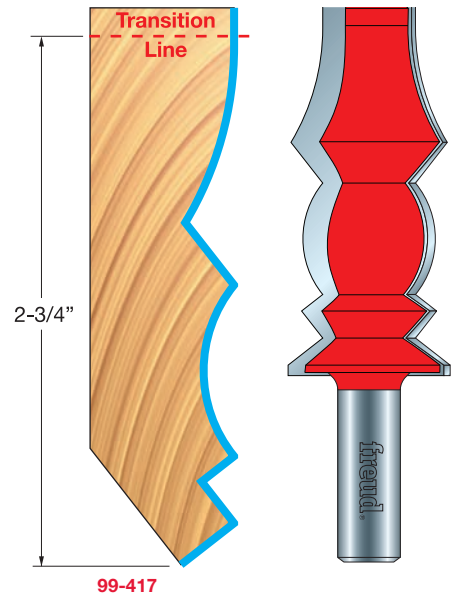
99-416

LOWER PROFILE 2



99-415

LOWER PROFILE 4



99-417

Wide Crown Molding System

CONTINUED

ARCHITECTURAL MILLWORK BITS

USE IN



Table Router



CNC

APPLICATION

Milling 5-1/2" wide Crown Molding for ceilings. Mix and match bits for upper and lower profiles to produce nine different designs. Use only in a router table with minimum 6" high fence, mill in 3 or more passes. Use featherboards and hold downs to hold stock down & against the fence. Use pusher blocks or a push stick to feed stock. Make test cuts in scrap stock first.

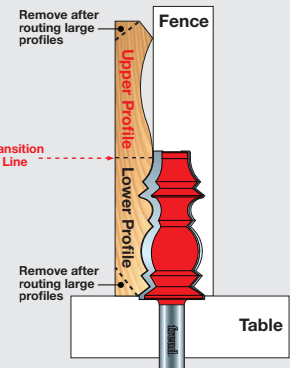
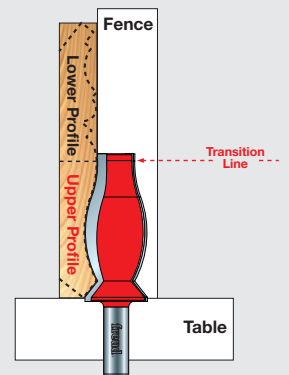
MATERIALS



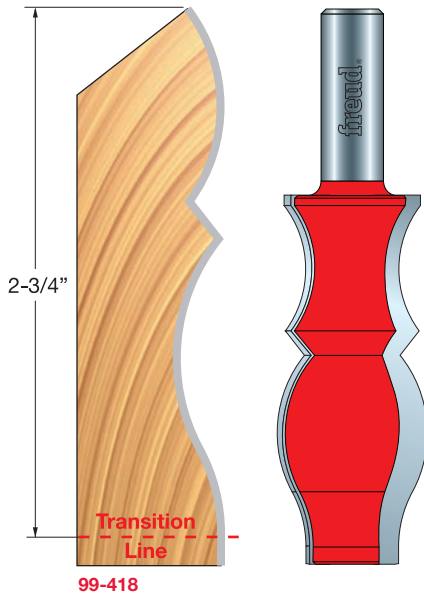
Hardwood



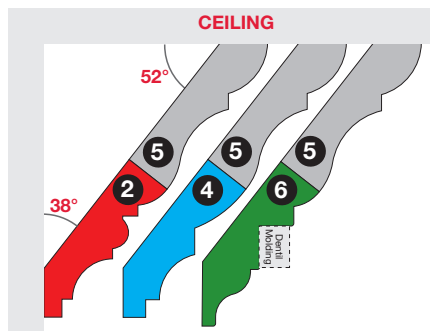
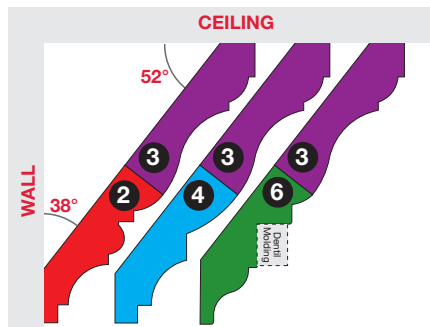
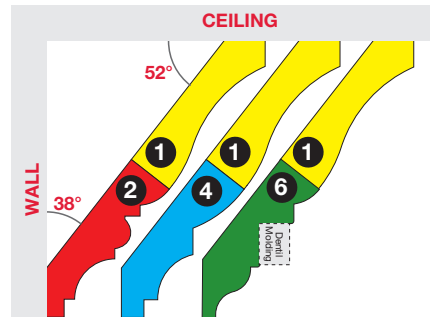
Softwood



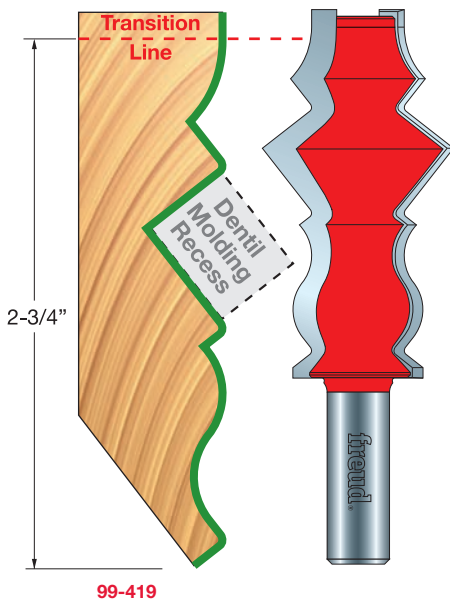
UPPER PROFILE 5



A total of 9 different combinations can be created with the Wide Crown Molding System



LOWER PROFILE 6



Upper profile bits 1, 3, & 5 mill these areas of 3/4" x 5-1/2" stock



Lower profile bits 2, 4, & 6 mill these areas of 3/4" x 5-1/2" stock

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

ARCHITECTURAL MILLWORK BITS

Wide Crown Molding System

CONTINUED

USE IN



Table Router

CNC

APPLICATION

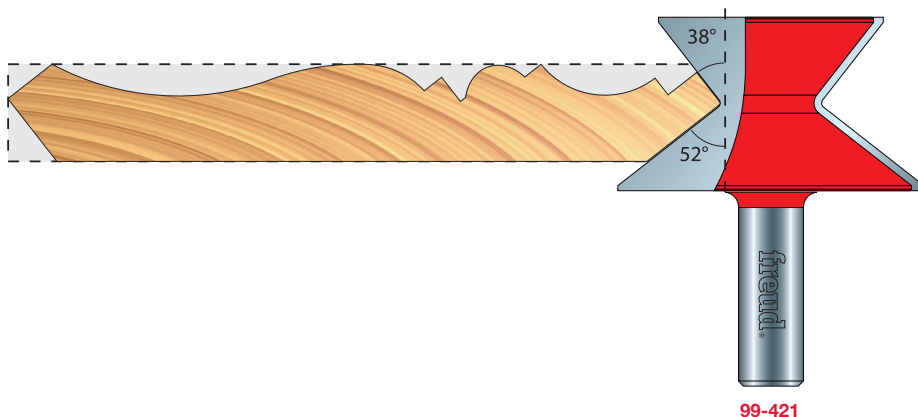
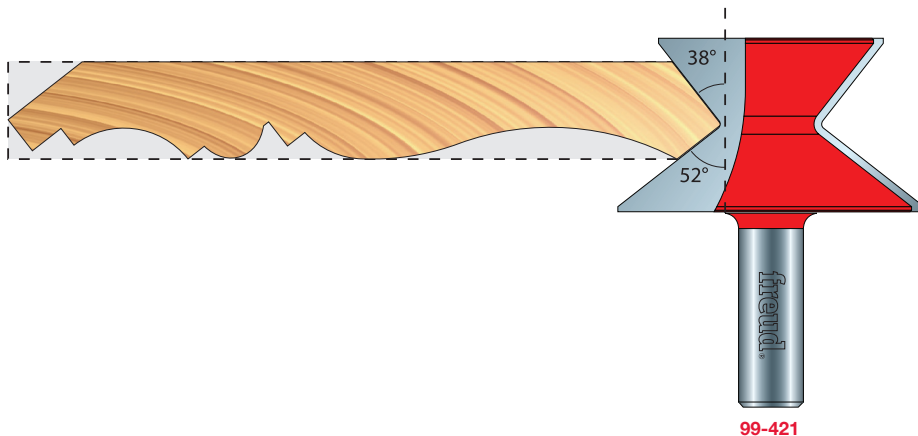
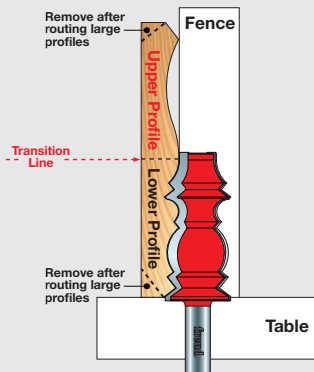
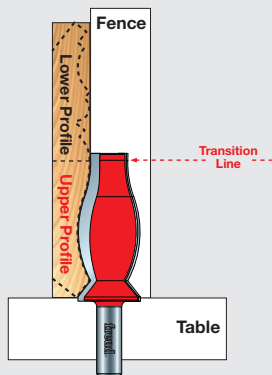
Milling 5-1/2" wide Crown Molding for ceilings. Mix and match bits for upper and lower profiles to produce nine different designs. Use only in a router table with minimum 6" high fence, mill in 3 or more passes. Use featherboards and hold downs to hold stock down & against the fence. Use pusher blocks or a push stick to feed stock. Make test cuts in scrap stock first.

MATERIALS



Hardwood

Softwood



Crown Molding Bit

ARCHITECTURAL MILLWORK BITS

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	ANGLE	SHANK DIA.	OVERALL LENGTH
99-402	1-1/4"	2-1/4"	17/32"	7/32"	45°	1/2"	3-3/4"
99-404	1-1/4"	2-1/4"	43/64"	15/32"	45°	1/2"	3-3/4"
99-406	1-1/4"	2-1/4"	25/64"	—	45°	1/2"	3-3/4"
99-408	1-1/4"	2-1/4"	1-1/4"	—	45°	1/2"	3-3/4"
99-410	1-1/4"	2-1/4"	3/16"	1/8"	10°	1/2"	3-3/4"

USE IN



Table Router



CNC

APPLICATION

Elaborate crown moldings. Customize your decorative crown moldings to add elegance to any room. Simply adjust the height of your cut to change the entire profile.

MATERIALS

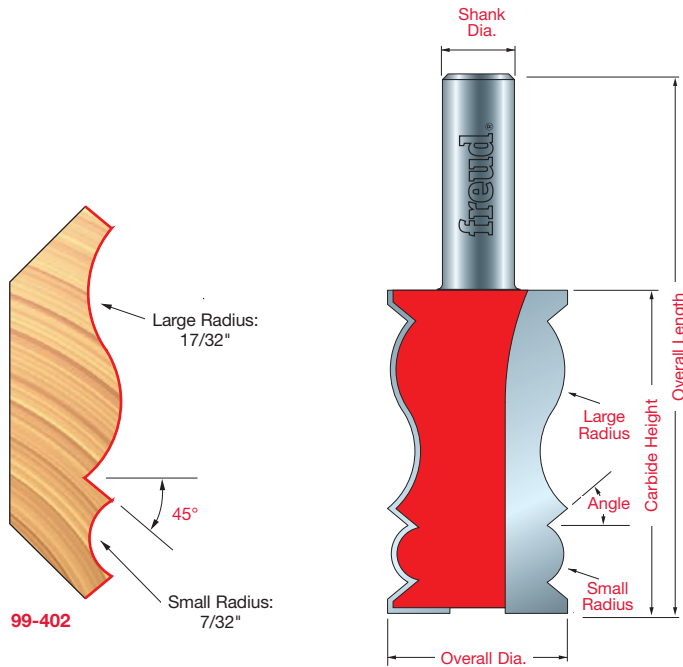


Hardwood

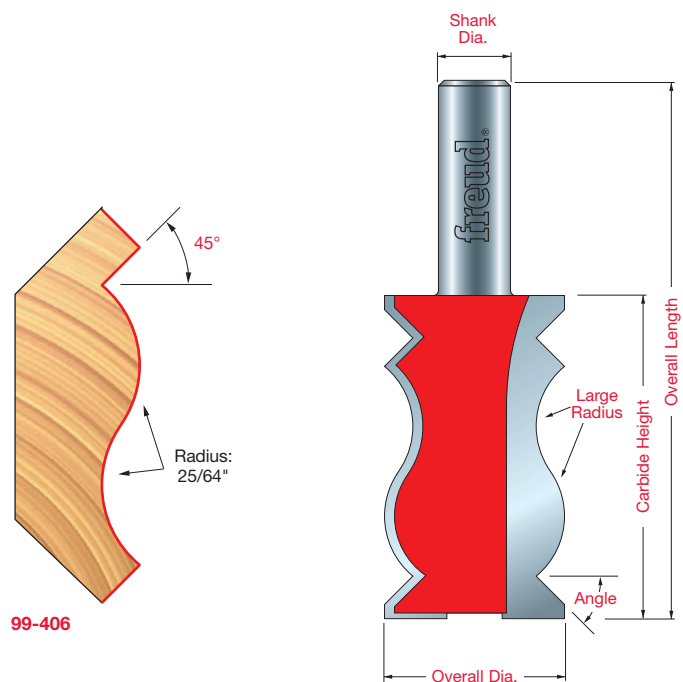


Softwood

ROUTER BITS



99-402



99-406

ARCHITECTURAL MILLWORK BITS

Crown Molding Bit

CONTINUED

USE IN



Table Router

CNC

APPLICATION

Elaborate crown moldings. Customize your decorative crown moldings to add elegance to any room. Simply adjust the height of your cut to change the entire profile.

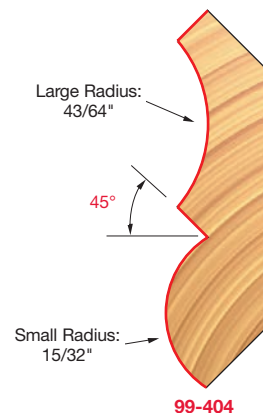
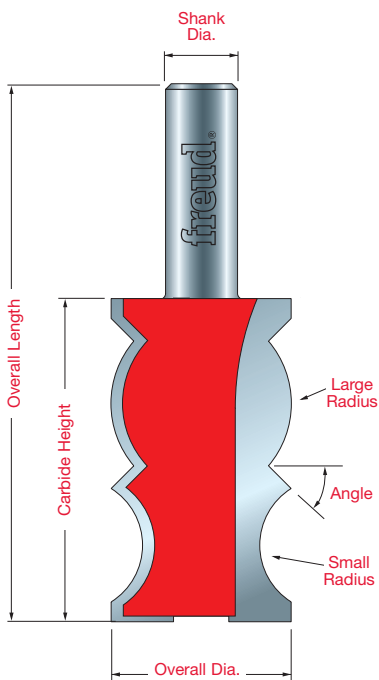
MATERIALS



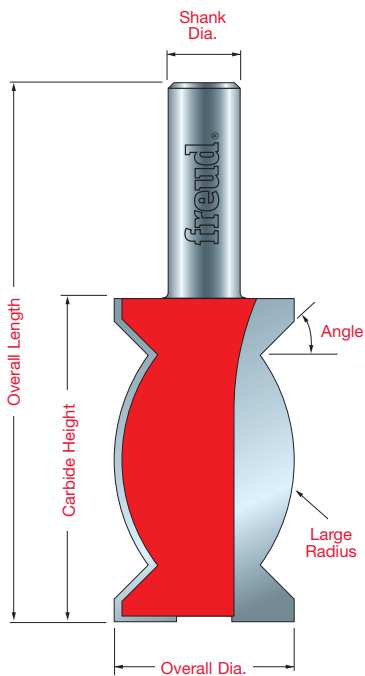
Hardwood

Softwood

ROUTER BITS



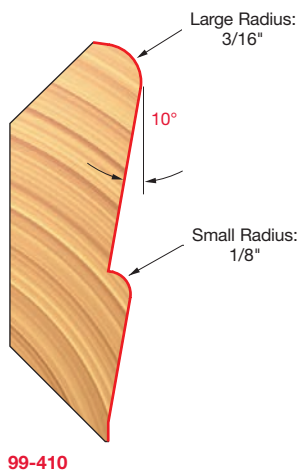
99-404



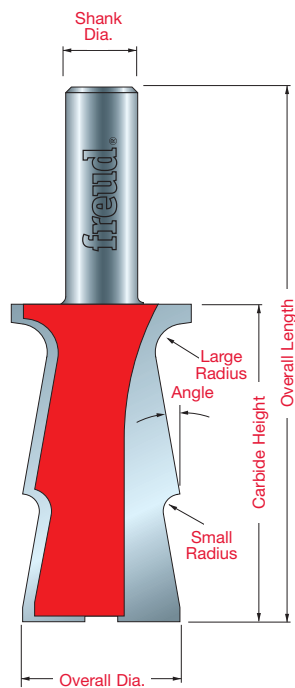
99-408

Crown Molding Bit

CONTINUED



99-410



ARCHITECTURAL MILLWORK BITS

USE IN



Table Router



CNC

APPLICATION

Elaborate crown moldings. Customize your decorative crown moldings to add elegance to any room. Simply adjust the height of your cut to change the entire profile.

MATERIALS



Hardwood



Softwood

ROUTER BITS

JOINERY BITS

Dovetail Bits

USE IN



Table Router



Hand Router



CNC

APPLICATION

Strong, attractive joints for drawers and boxes. Compatible with popular dovetail jigs, these bits produce smooth, intricate dovetail joints.

MATERIALS



Hardwood



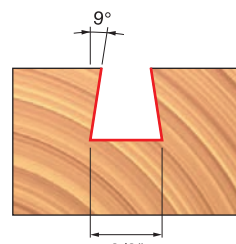
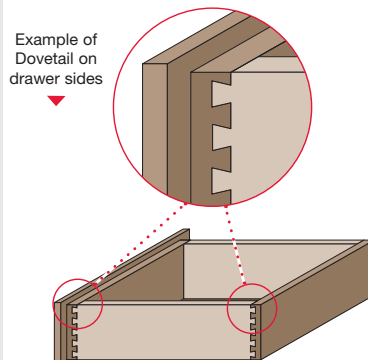
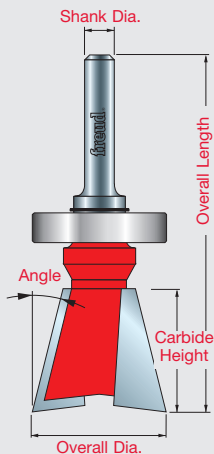
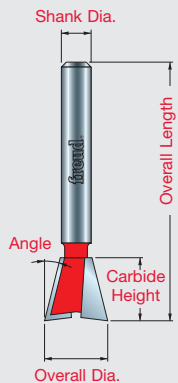
Softwood



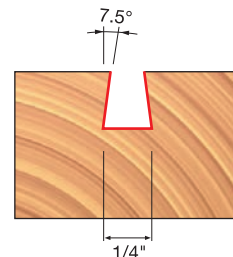
MDF



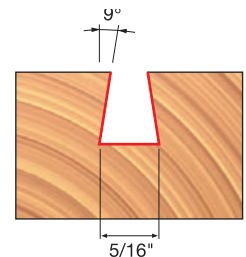
Plywood



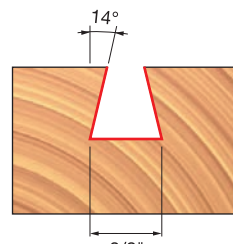
22-102 / 22-110



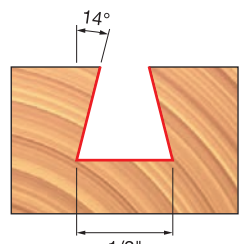
22-100 / 22-107



22-101 / 22-108



22-103



22-104 / 22-124 / 22-112

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
22-100	1/4"	5/16"	7-1/2°	1/4"	2"
22-101	5/16"	3/8"	9°	1/4"	1-7/8"
22-102	3/8"	3/8"	9°	1/4"	1-7/8"
22-103	3/8"	3/8"	14°	1/4"	2-1/2"
22-104	1/2"	1/2"	14°	1/4"	1-7/8"
22-105	5/8"	7/8"	7°	1/4"	2-1/8"
22-106	3/4"	7/8"	7°	1/4"	2-1/8"
22-119	1/4"	1/4"	8°	1/4"	2"
22-120	3/8"	1/2"	8°	1/4"	2-1/2"
22-121	7/16"	5/8"	8°	1/4"	2-3/8"
22-122	1/2"	13/16"	8°	1/4"	2-3/4"
22-123	5/16"	3/8"	8°	1/4"	1-7/8"
22-124	1/2"	1/2"	14°	1/4"	2-5/8"
22-125	1/2"	5/8"	10°	1/4"	2-3/8"
22-126	9/16"	3/8"	14°	1/4"	2"
22-128	3/4"	7/8"	14°	1/4"	2-3/8"
22-129	1/2"	13/32"	8°	1/4"	2-5/32"
22-107	1/4"	5/16"	7-1/2°	1/2"	2-5/8"
22-108	5/16"	3/8"	9°	1/2"	2-1/8"
22-110	3/8"	3/8"	9°	1/2"	2-1/4"
22-112	1/2"	1/2"	14°	1/2"	2-1/4"
22-113	5/8"	7/8"	7°	1/2"	2-5/8"
22-114	3/4"	7/8"	7°	1/2"	2-5/8"
22-115*	17/32"	25/32"	7°	1/2"	2-3/8"
22-130	11/16"	1"	8°	1/2"	3-1/8"
22-132	13/16"	1-1/4"	8°	1/2"	3-3/8"
22-134	3/4"	3/4"	14°	1/2"	3-1/8"

Top Bearing Dovetail

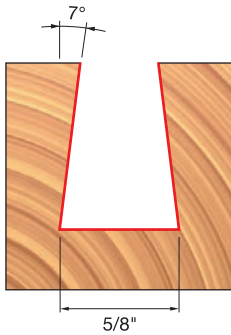
22-505	5/8"	7/8"	7°	1/4"	2-5/8"
22-507	3/4"	7/8"	14°	1/4"	2-5/8"
22-508	9/16"	3/8"	14°	1/4"	2-3/16"

Dovetail Bits

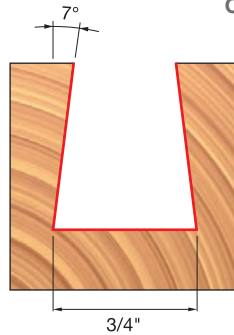


JOINERY BITS

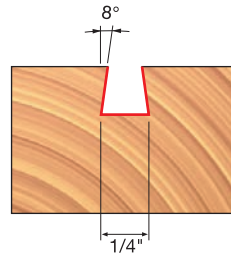
CONTINUED



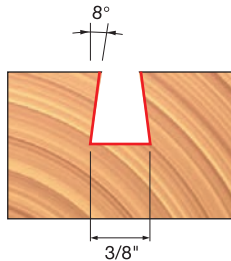
22-105 / 22-113



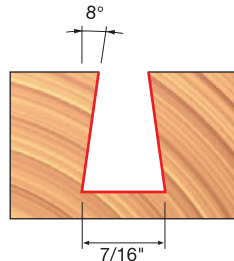
22-106 / 22-114



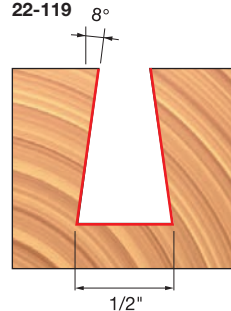
22-119



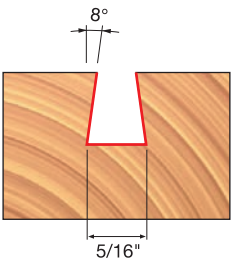
22-120



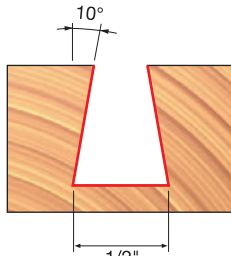
22-121



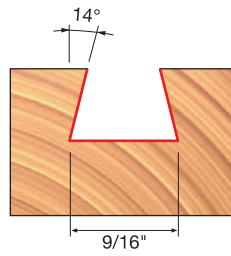
22-122



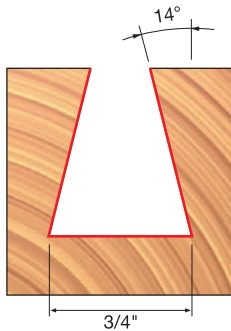
22-123



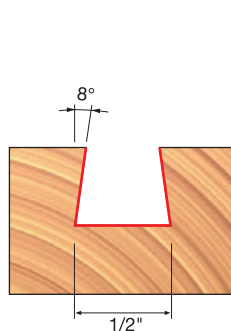
22-125



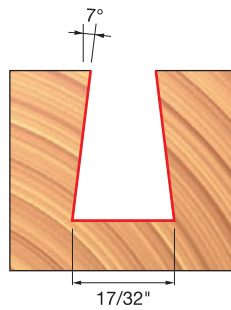
22-126



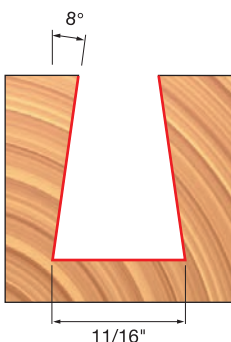
22-128



22-129



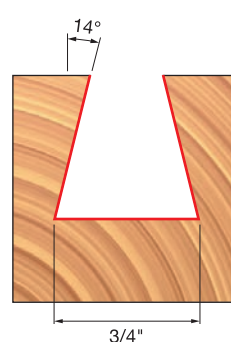
22-115



22-130



22-132



22-134

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

USE IN



Table Router



Hand Router

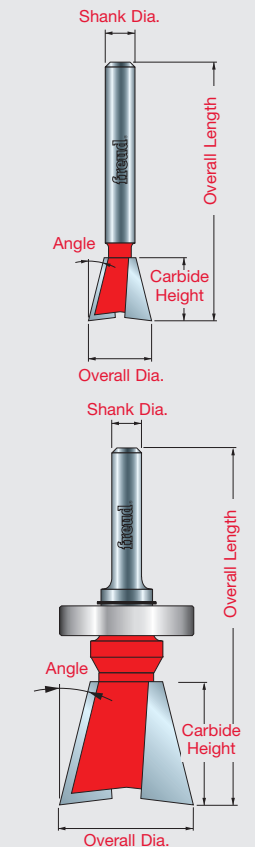


CNC

APPLICATION

Strong, attractive joints for drawers and boxes. Compatible with popular dovetail jigs, these bits produce smooth, intricate dovetail joints.

MATERIALS



JOINERY BITS



Dovetail Bits

CONTINUED

USE IN



Table Router



Hand Router



CNC

APPLICATION

Strong, attractive joints for drawers and boxes. Compatible with popular dovetail jigs, these bits produce smooth, intricate dovetail joints.

MATERIALS



Hardwood



Softwood

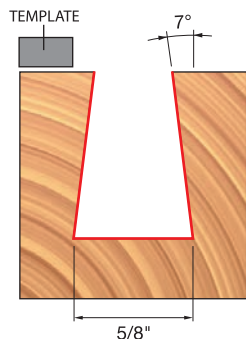


MDF

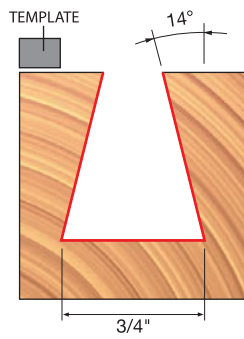


Plywood

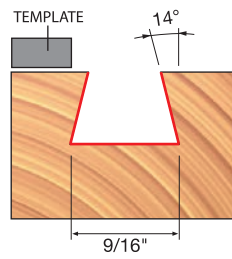
Top Bearing Dovetail



22-505



22-507



22-508

JOINERY BITS



Butterfly Spline Bit

USE IN



Table Router



Hand Router



CNC

APPLICATION

Sturdy, decorative design for exposed joints. This bit produces a strong, attractive method of joining wood. Use a 14-degree dovetail bit to produce the mating grooves.

MATERIALS



Hardwood



Softwood

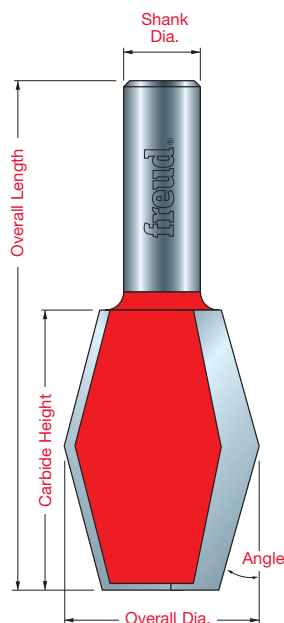


MDF



Plywood

ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
24-106	1-1/8"	11/16"	1-3/4"	14°	1/2"	3-1/4"



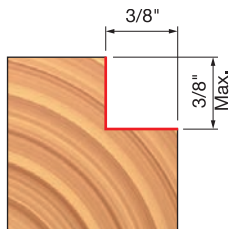
24-106

Rabbeting Bits

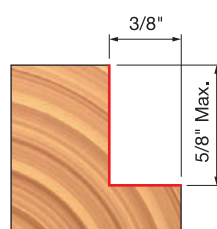


JOINERY BITS

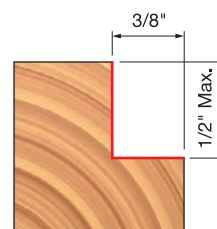
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CUT DEPTH	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
32-096	1-1/4"	1/2"	3/8"	3/8"	1/4"	2"
32-098	1-1/4"	1/2"	3/8"	5/8"	1/4"	2-1/4"
32-100	1-1/4"	1/2"	3/8"	1/2"	1/4"	2"
32-101	1-3/8"	3/8"	1/2"	1/2"	1/4"	2-1/4"
32-102	1-1/4"	1/2"	3/8"	1/2"	1/2"	2-1/4"
32-106	1-3/8"	3/8"	1/2"	1/2"	1/2"	2-1/4"
32-110	1-3/8"	3/8"	1/2"	3/4"	1/2"	2"
Steel Pilots						
32-302	1-1/4"	1/2"	3/8"	3/8"	1/4"	1-7/8"
32-306	1-1/4"	1/2"	3/8"	5/8"	1/4"	2"



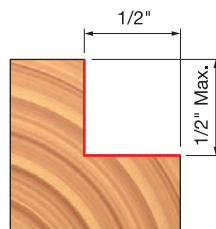
32-096 / 32-302



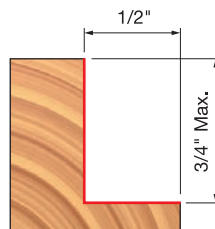
32-098 / 32-306



32-100 / 32-102



32-101 / 32-106



32-110

USE IN

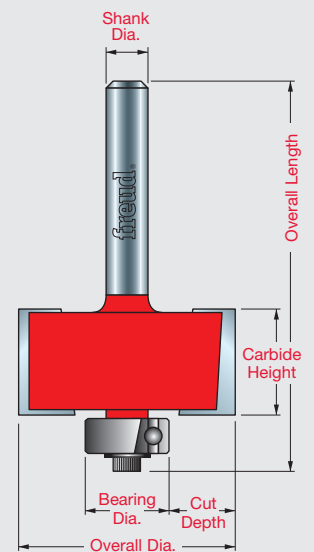


Table Router Hand Router

APPLICATION

Joining boards and letting in back panels. Produces super smooth cuts on both surfaces of the rabbet. Steel pilots can be removed from bits and used with edge guides for wider rabbets.

MATERIALS



JOINERY BITS

Rabbeting Bits with Bearing Set

USE IN

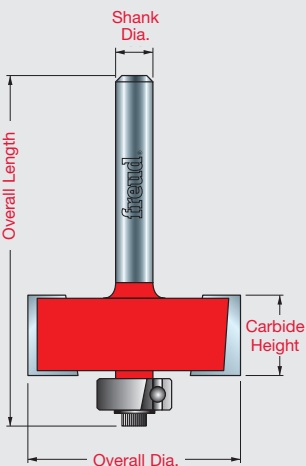


Table Router Hand Router

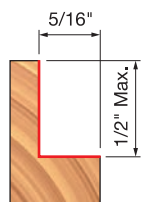
APPLICATION

Joining boards and letting in back panels with different depths of cut. With interchangeable bearings to cut rabbets of different depths, these sets produce super smooth cuts on both surfaces of the rabbet. 32-504, 32-524, and 32-526 can also be used as flush cutting trim bits. Wrench included.

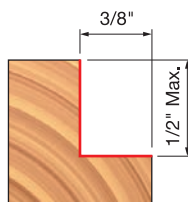
MATERIALS



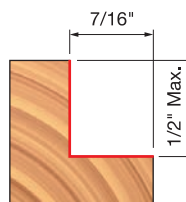
ITEM NUMBER	OVERALL DIA.	RABBETING DEPTHS	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
32-502	1-3/8"	5/16", 3/8", 7/16", 1/2"	1/2"	1/4"	2-1/4"
32-504	1-3/8"	flush, 1/8", 1/4", 5/16", 3/8", 7/16", 1/2"	1/2"	1/4"	2-1/4"
32-522	1-3/8"	5/16", 3/8", 7/16", 1/2"	1/2"	1/2"	2-1/4"
32-524	1-3/8"	flush, 1/8", 1/4", 5/16", 3/8", 7/16", 1/2"	1/2"	1/2"	2-1/4"
32-526	1-3/8"	flush, 1/8", 1/4", 5/16", 3/8", 7/16", 1/2"	3/4"	1/2"	2-1/2"



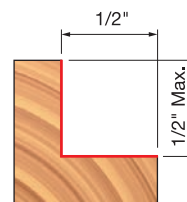
32-502 / 32-504
32-522 / 32-524



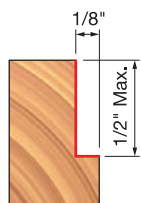
32-502 / 32-504
32-522 / 32-524



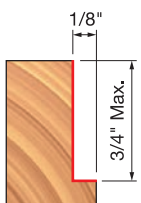
32-502 / 32-504
32-522 / 32-524



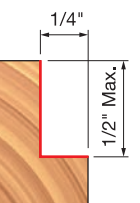
32-502 / 32-504
32-522 / 32-524



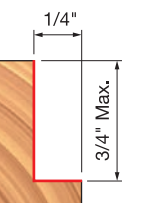
32-504 / 32-524



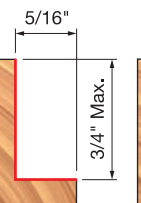
32-526



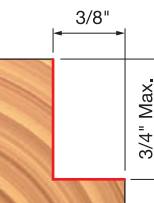
32-504 / 32-524



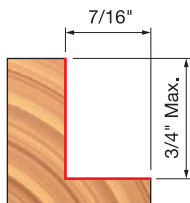
32-526



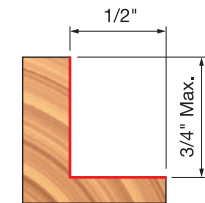
32-526



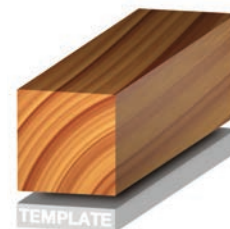
32-526



32-526



32-526



Both Sets Include the Wrench and Step Washers

3/8" Bearing #62-102

1/2" Bearing #62-104

5/8" Bearing #62-113

3/4" Bearing #62-144

7/8" Bearing #62-146

1-1/8" Bearing #62-148

1-1/4" Bearing #62-150

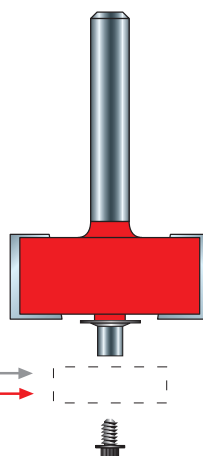
SET OF 4

4

or

SET OF 7

7



• Wrench #62-402

• 1/2" STEP WASHER #62-313

• 3/8" STEP WASHER #62-311

Supplied 3/8" STEP WASHER to use when mounting 3/8" ball bearing only.

Stacked Slotting Set



JOINERY BITS

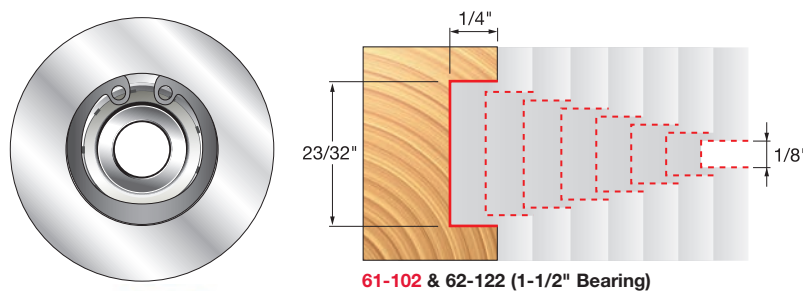
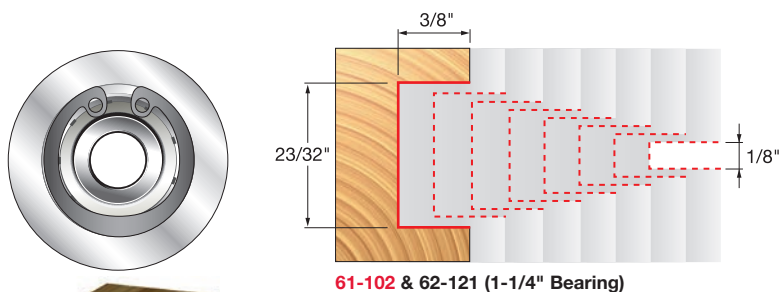
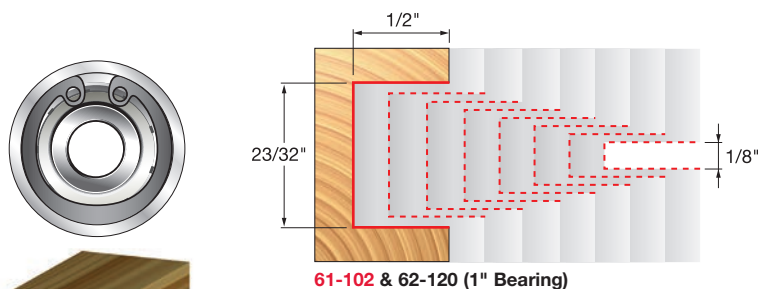
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
61-102	2"	1/8" - 23/32"	1/2"	3-1/4"

Replacement Bearing

ITEM NUMBER	BEARING DIA.	CUT DEPTH
62-120	1"	1/2"
62-121	1-1/4"	3/8"
62-122	1-1/2"	1/4"

Replacement Cutters

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT
54-108	2"	1/8"



USE IN

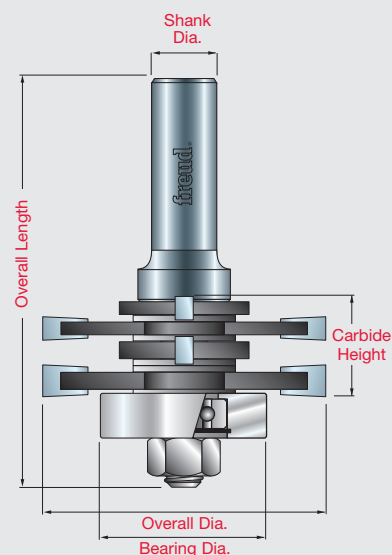


Table Router Hand Router

APPLICATION

Producing grooves 1/8" to 23/32" wide. By changing the bearings this set will cut three different depths (1/4", 3/8", 1/2"). Set includes Freud's slotting cutter arbor 60-202, 3 bearings and 4 specially designed slotting cutters.

MATERIALS



JOINERY BITS

Biscuit Joining Set

USE IN

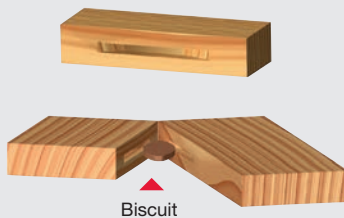
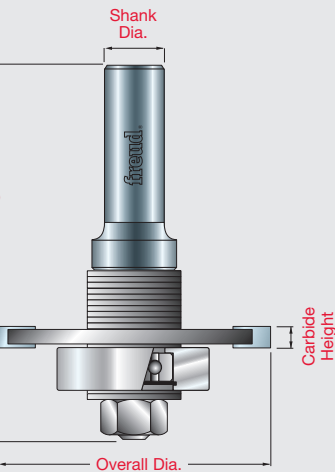


Table Router Hand Router

APPLICATION

Creating perfect slots for biscuit joining. Easy and economical way to join wood.

MATERIALS



Biscuit

Drawing Is Not to Scale

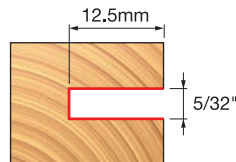
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
99-041	1-27/32"	5/32"	1/2"	3-1/4"

Replacement Bearing

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
52-154	1-27/32"	5/32"	5/16"	-

Bearings

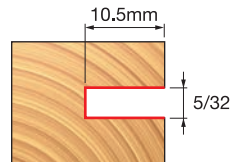
BEARING NUMBER	SIZE.	BEARING DIA.	CUT DEPTH
62-128	00	30mm	8.5mm
62-124	10	26mm	10.5mm
62-108	20	22mm	12.5mm



52-154 & 62-108 (22mm Bearing)



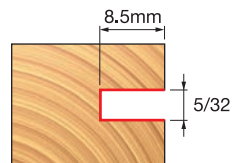
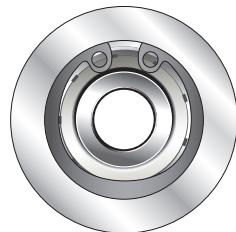
Biscuit Size-20
59mm x 22mm
2-3/8" x 7/8"



52-154 & 62-124 (26mm Bearing)



Biscuit Size-10
54mm x 19mm
2-1/8" x 3/4"

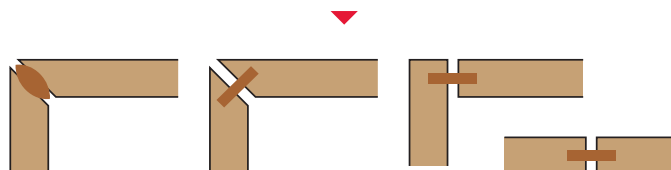


52-154 & 62-128 (30mm Bearing)



Biscuit Size-00
47mm x 15mm
1-7/8" x 5/8"

Examples of various joint configurations

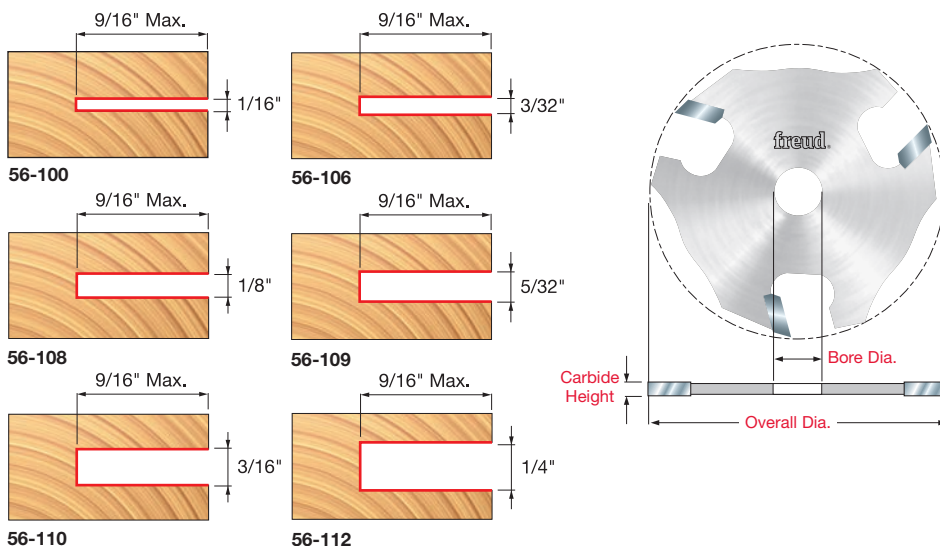


Three Wing Slotting Cutters



JOINERY BITS

ITEM NUMBER	OVERALL DIA.	NUMBER OF CUTTERS	BORE DIA.	CARBIDE HEIGHT
56-100	2"	3	5/16"	1/16"
56-106	2"	3	5/16"	3/32"
56-108	2"	3	5/16"	1/8"
56-109	2"	3	5/16"	5/32"
56-110	2"	3	5/16"	3/16"
56-112	2"	3	5/16"	1/4"



USE IN



Table Router Hand Router

APPLICATION

Producing slots and grooves for T-moldings, spline joints, tongue & groove joints and many other applications. Should be used with Freud's slotting cutter arbors 60-100 for 1/4" shanks and 60-102 for 1/2" shanks. Compatible with 62-108 bearing. Cutter 56-109 can be used for biscuit joining.

MATERIALS



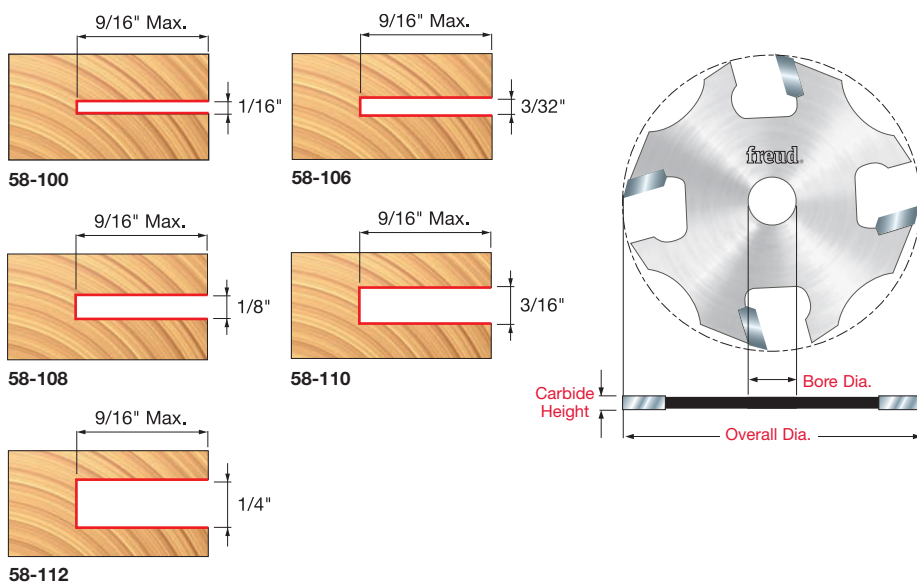
ROUTER BITS

Four Wing Slotting Cutters



JOINERY BITS

ITEM NUMBER	OVERALL DIA.	NUMBER OF CUTTERS	BORE DIA.	CARBIDE HEIGHT
58-100	2"	4	5/16"	1/16"
58-106	2"	4	5/16"	3/32"
58-108	2"	4	5/16"	1/8"
58-110	2"	4	5/16"	3/16"
58-112	2"	4	5/16"	1/4"



USE IN



Table Router Hand Router

APPLICATION

Producing slots and grooves for T-moldings, spline joints, tongue & groove joints and many other applications. Should be used with Freud's slotting cutter arbors 60-100 for 1/4" shanks and 60-102 for 1/2" shanks. Compatible with 62-108 bearing.

MATERIALS



* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

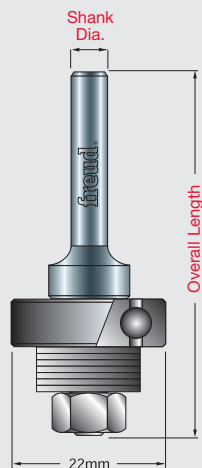
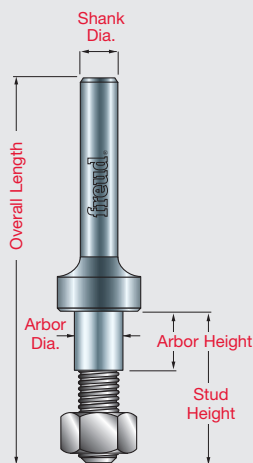
All Profile Drawings 1:1 Scale

USE IN

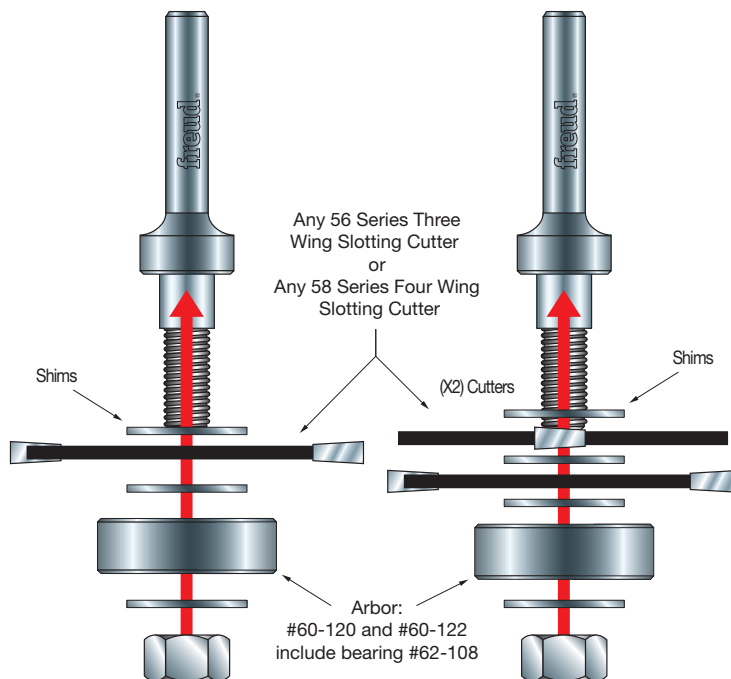


APPLICATION

Producing smooth, precise, accurate slots. For premium performance use with Freud slotting cutters, although compatible with any slotting cutter with a 5/16" bore.



ITEM NUMBER	ARBOR DIA.	STUD HEIGHT	ARBOR HEIGHT	SHANK DIA.	OVERALL LENGTH
60-100	5/16"	1"	25/64"	1/4"	2-3/8"
60-102	5/16"	1"	25/64"	1/2"	2-3/8"
60-120*	5/16"	1"	25/64"	1/4"	2-3/8"
60-122*	5/16"	1"	25/64"	1/2"	2-3/8"
60-152	5/16"	2-1/4"	5/8"	1/2"	4-1/4"

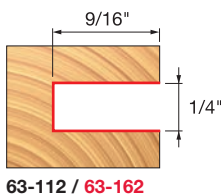
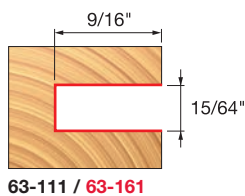
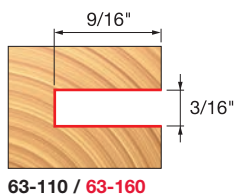
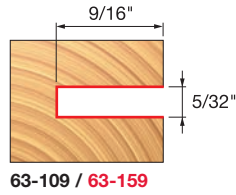
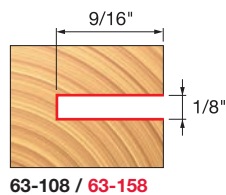
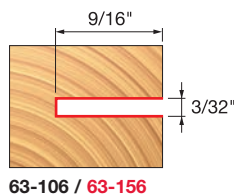
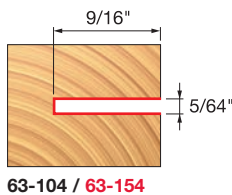
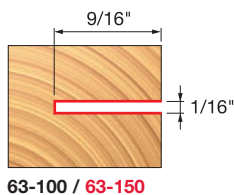


Slotting Cutter Sets



JOINERY BITS

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	CUT DEPTH	SHANK DIA.	OVERALL LENGTH
63-100	2"	1/16"	9/16"	1/4"	2-3/8"
63-104	2"	5/64"	9/16"	1/4"	2-3/8"
63-106	2"	3/32"	9/16"	1/4"	2-3/8"
63-108	2"	1/8"	9/16"	1/4"	2-3/8"
63-109	2"	5/32"	9/16"	1/4"	2-3/8"
63-110	2"	3/16"	9/16"	1/4"	2-3/8"
63-111	2"	15/64"	9/16"	1/4"	2-3/8"
63-112	2"	1/4"	9/16"	1/4"	2-3/8"
63-150	2"	1/16"	9/16"	1/2"	2-3/8"
63-154	2"	5/64"	9/16"	1/2"	2-3/8"
63-156	2"	3/32"	9/16"	1/2"	2-3/8"
63-158	2"	1/8"	9/16"	1/2"	2-3/8"
63-159	2"	5/32"	9/16"	1/2"	2-3/8"
63-160	2"	3/16"	9/16"	1/2"	2-3/8"
63-161	2"	15/64"	9/16"	1/2"	2-3/8"
63-162	2"	1/4"	9/16"	1/2"	2-3/8"



USE IN



Table Router



Hand Router



CNC

APPLICATION

Producing slots and grooves 9/16" deep for T-moldings, spline joints, tongue & groove joints, and other applications. Includes three wing slotting cutter, arbor and ball bearing.

MATERIALS



Hardwood



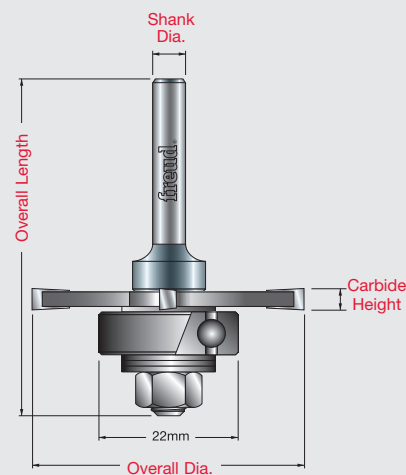
Softwood



MDF



Plywood



JOINERY BITS

Canoe Joint Bits

USE IN



Table Router

CNC

APPLICATION

Producing joints for projects such as circular planters and canoes. Bit 99-017 cuts the flute and 99-018 cuts the mating bead.

MATERIALS



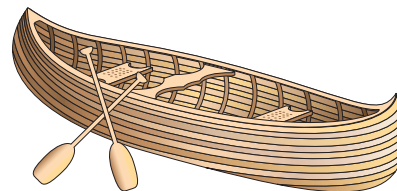
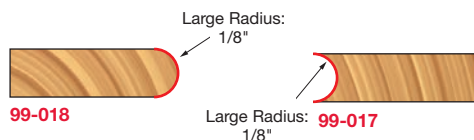
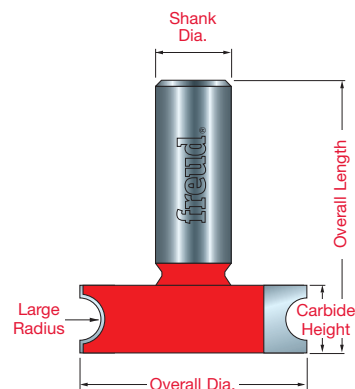
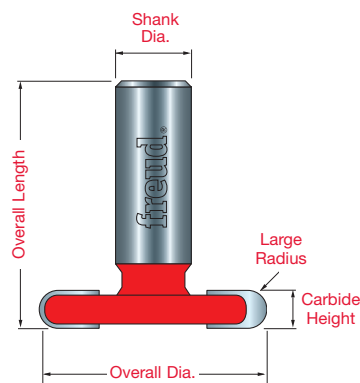
Hardwood

Softwood

MDF

Plywood

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
99-017	1-1/2"	1/4"	1/8"	1/2"	1-11/16"
99-018	1-1/2"	3/8"	1/8"	1/2"	1-7/8"



JOINERY BITS

Reversible Glue Joint Bit

USE IN



Table Router

CNC

APPLICATION

Providing a stronger joint by increasing the surface area for glue. Plane boards to a uniform thickness; align bit to the center of the board, then reverse each board for a perfect glue joint.

MATERIALS



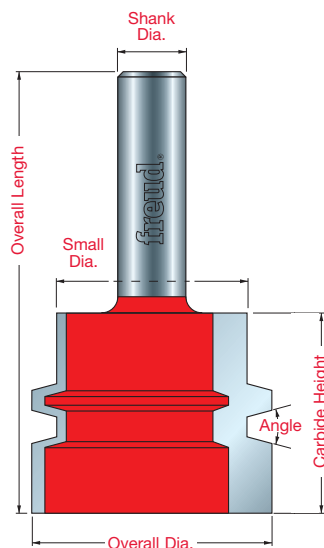
Hardwood

Softwood

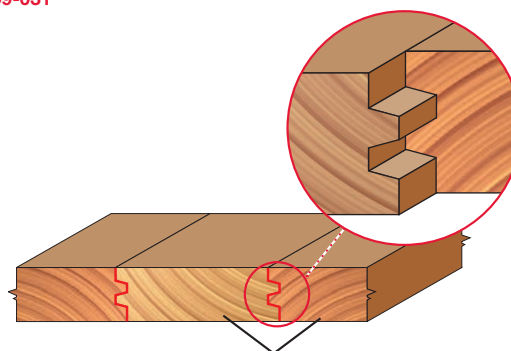
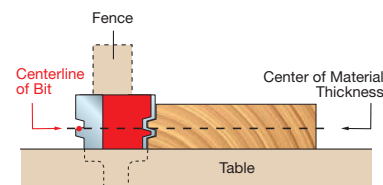
MDF

Plywood

ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
99-031	1-1/2"	1-3/16"	1-1/4"	30°	1/2"	2-3/4"

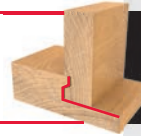


99-031



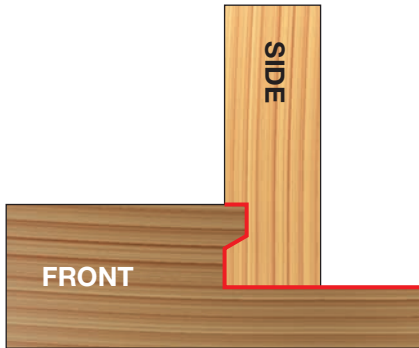
Opposing Grain Direction

Drawer Lock Bits

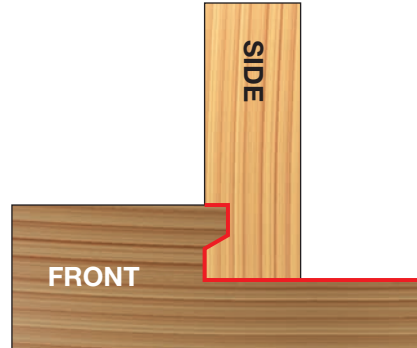


JOINERY BITS

ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
99-239	1-1/4"	1-1/64"	1/2"	13/64"	30°	1/4"	1-3/4"
99-240	2"	1-3/4"	33/64"	5/32"	30°	1/2"	2"

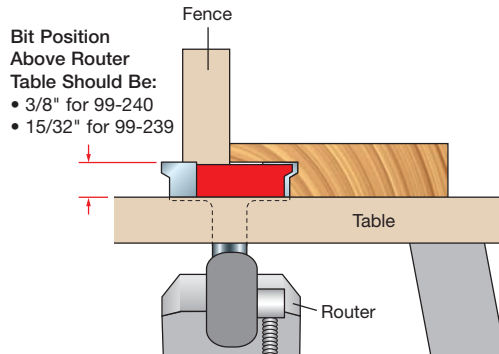


99-239

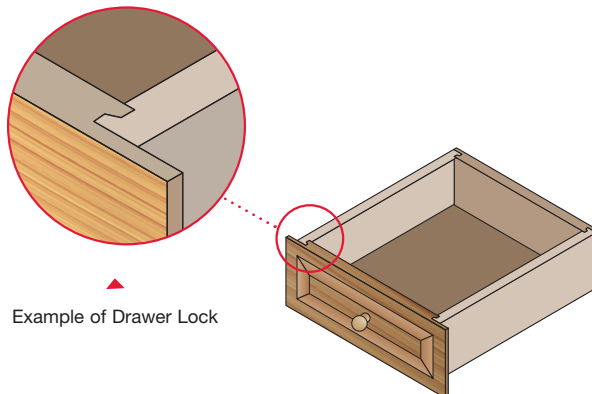
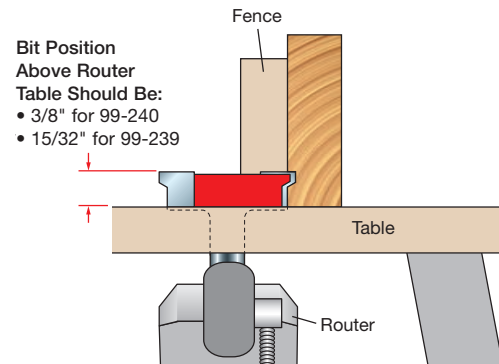


99-240

1



2



Example of Drawer Lock

USE IN

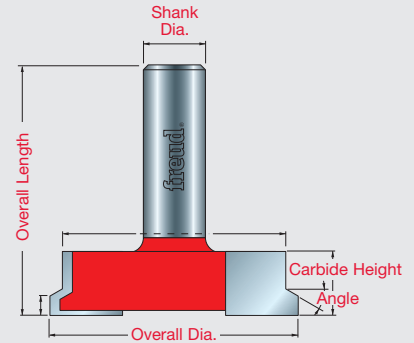


Table Router

APPLICATION

Forming a strong joint between the sides and front of a drawer. Drawer fronts are formed horizontally, flat on the table surface. Drawer sides are formed vertically against the fence of the table.

MATERIALS



ROUTER BITS

JOINERY BITS

Lock Miter Bits

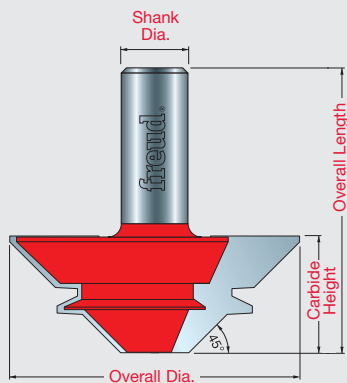
USE IN



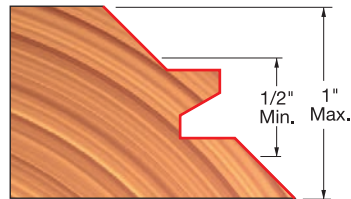
APPLICATION

Creating interlocking corner joints. Run one board vertically and the piece to be joined horizontally. 99-035 cuts thinner panels for projects such as humidors and jewelry boxes.

MATERIALS



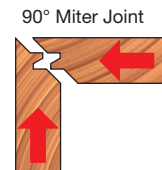
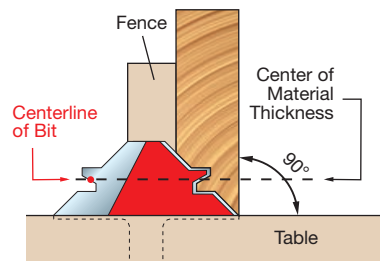
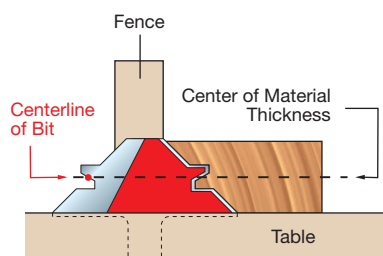
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
99-034	2-3/4"	1-5/32"	45°	1/2"	2-5/8"
99-035	2-11/64"	7/8"	45°	1/2"	2-3/8"
99-043	1-15/32"	7/8"	22-1/2°	1/2"	2-3/8"



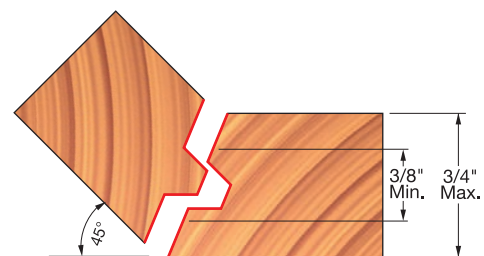
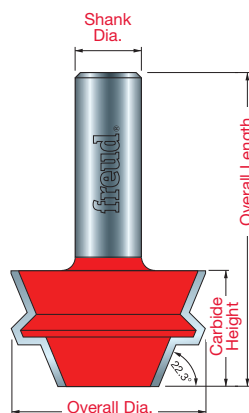
99-034



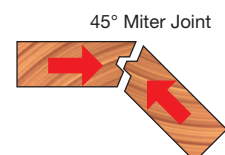
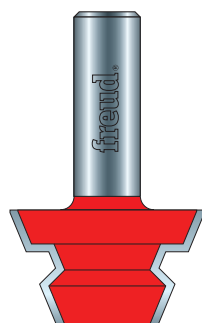
99-035



22-1/2° Set



99-043



Wedge Tongue & Groove Bits



JOINERY BITS

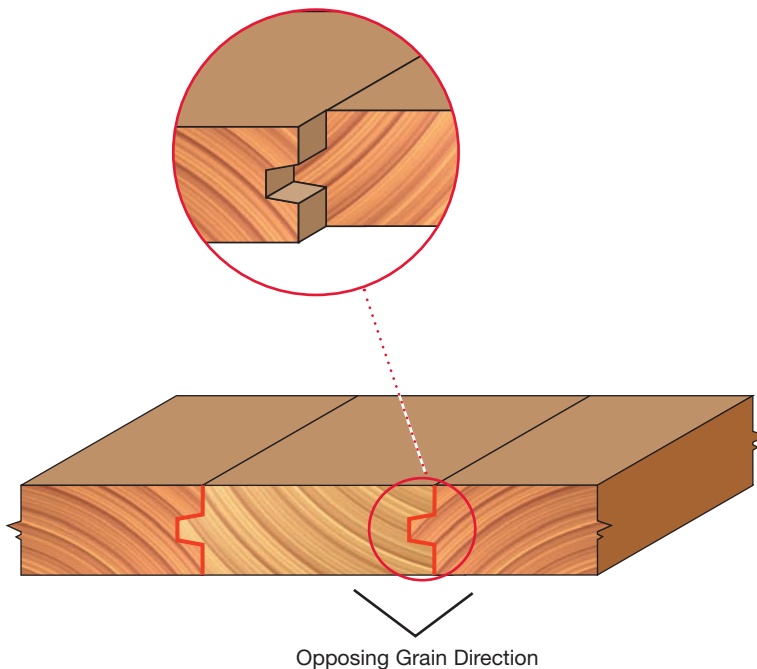
ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
99-032	1-21/32"	5/16"	1-3/32"	10°	1/2"	2-5/8"
99-033	1-21/32"	5/16"	1-3/32"	10°	1/2"	2-5/8"



99-033



99-032



USE IN



Table Router

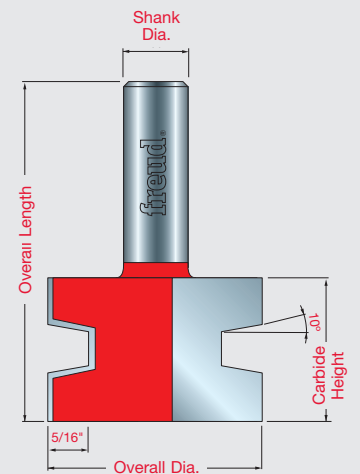
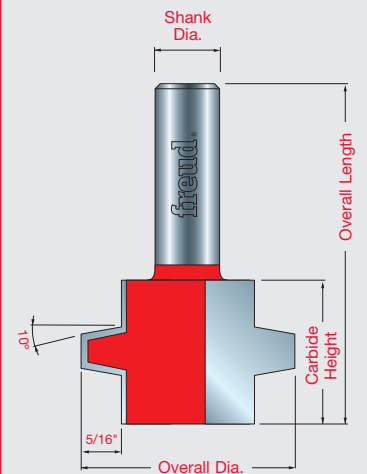
APPLICATION

Joining boards for wide panels such as table tops. Provides a strong joint, due to the increased glue area.

MATERIALS



ROUTER BITS



JOINERY BITS

Adjustable Tongue & Groove Bit Set

USE IN

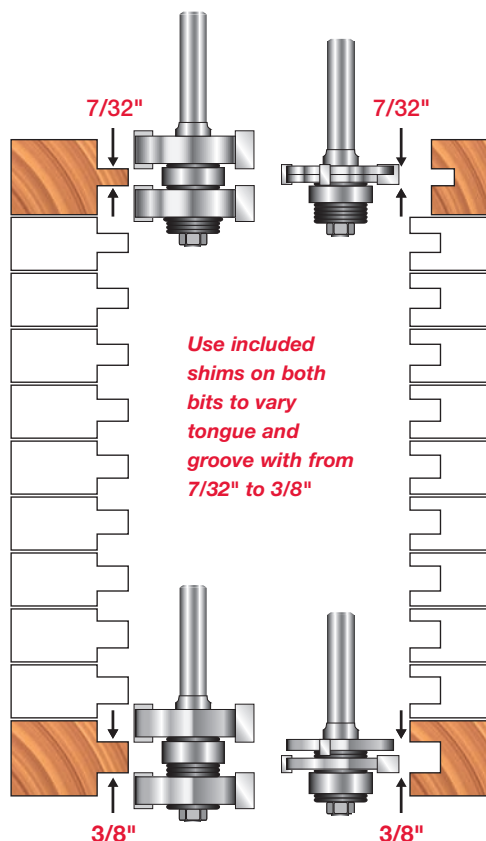
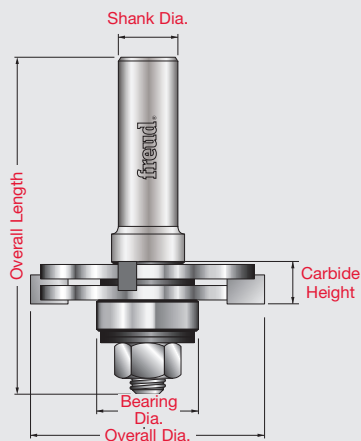
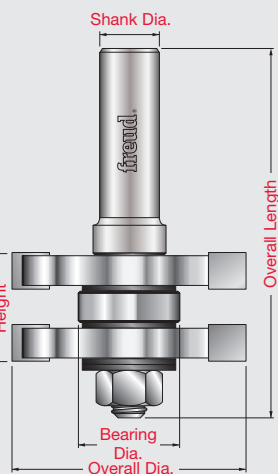


Table Router

APPLICATION

Producing perfectly fitted tongue and groove joints for projects such as Shaker style cabinet doors. Exclusive Freud design features a tongue cutter with opposing shear angles to ensure a flawless finish. Adjustable at .002 inch increments for stock thickness of 1/2" to 1-1/4" and groove widths of 7/32" to 3/8".

MATERIALS



Tongue & Groove Joints

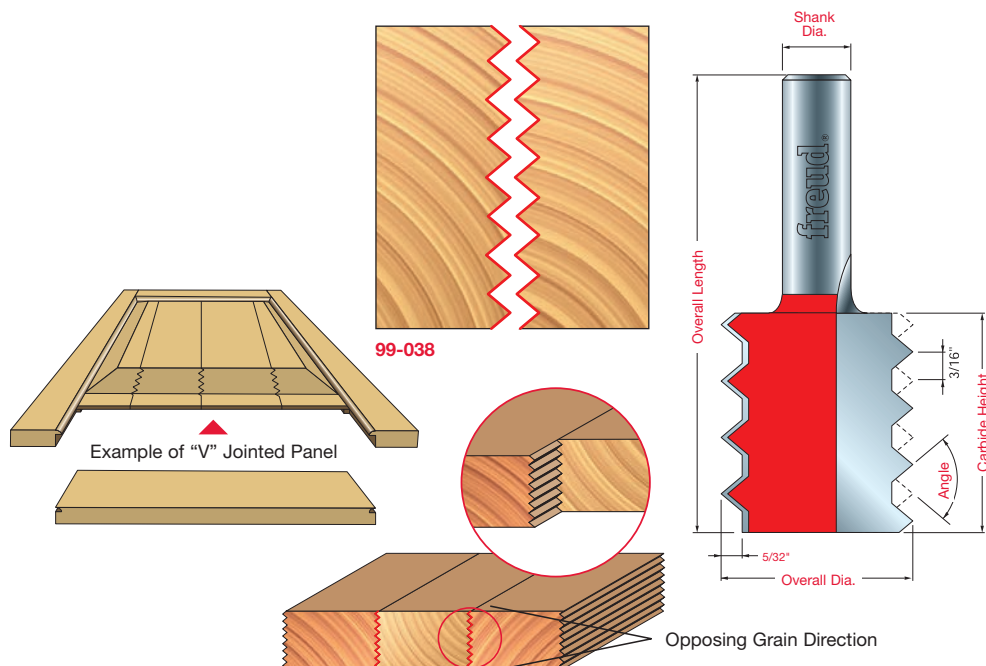
Breadboard Ends

Shaker Style Doors

Raised Panel "V" Joint Bit



ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
99-038	1-3/8"	1-37/64"	3/16"	80°	1/2"	3-1/16"



USE IN



Table Router

APPLICATION

Producing strong, attractive glue joint raised panels. Mating surfaces are at an angle, not vertical, so the dark lines like those created by standard finger joint bits are not visible. Simply raise or lower the bit 3/32" to route the mating edge.

MATERIALS

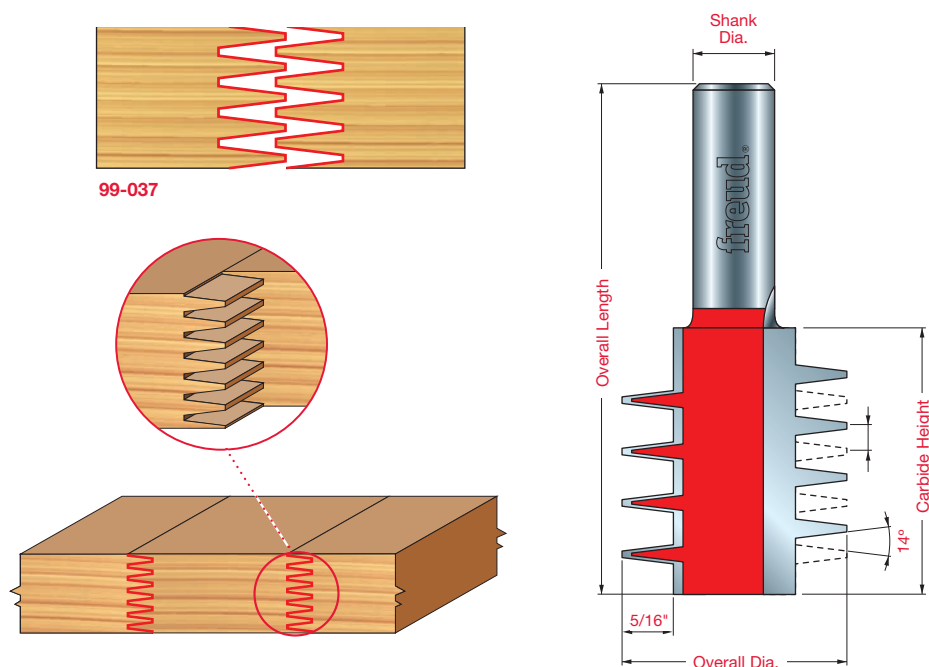


ROUTER BITS

Finger Joint Bit



ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
99-037	1-3/8"	5/16"	1-9/16"	21/64"	1/2"	3"



USE IN



Table Router



CNC

APPLICATION

Joining wood edge-to-edge or end-to-end. Produces a joint that is stronger than the wood itself. Tips on each side of the bit are offset, cutting twice as many fingers as you see tips on each side of the bit.

MATERIALS



JOINERY BITS

Variable Height Finger Joint Bit

USE IN

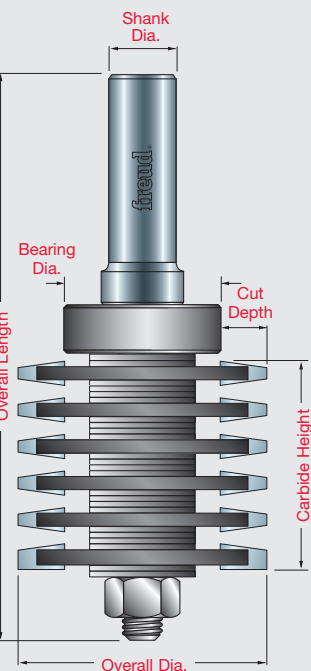


Table Router Hand Router

APPLICATION

Adjustable to produce finger joints up to 1-25/32" thick. Ideal for joining wood edge-to-edge or end-to-end, because the joint produced is stronger than the wood itself. Replacement cutters available and uses arbor #60-152. Allows you complete freedom when producing finger joints.

MATERIALS



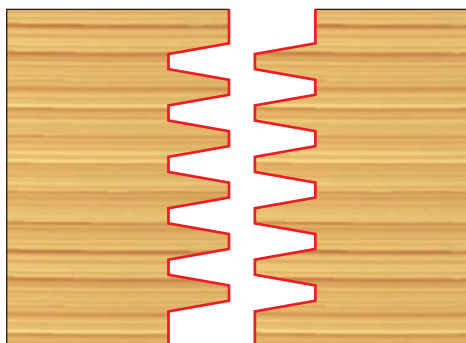
ITEM NUMBER	OVERALL DIA.	CUT DEPTH	BEARING DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
99-039	2"	5/16"	1-3/8" (35mm)	1-9/16"	1/2"	4-1/4"

Replacement Cutters

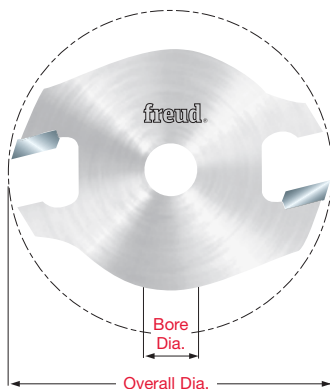
ITEM NUMBER	OVERALL DIA.	BORE DIA.	CARBIDE HEIGHT
52-104	2"	5/16"	7/32"
52-108	2"	5/16"	21/64"

Replacement Bearings

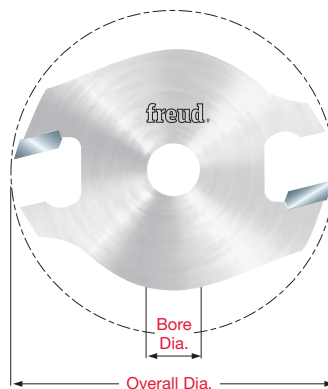
ITEM NUMBER	OUTSIDE DIA.	INSIDE DIA.	HEIGHT
62-109	35mm	15mm	11mm



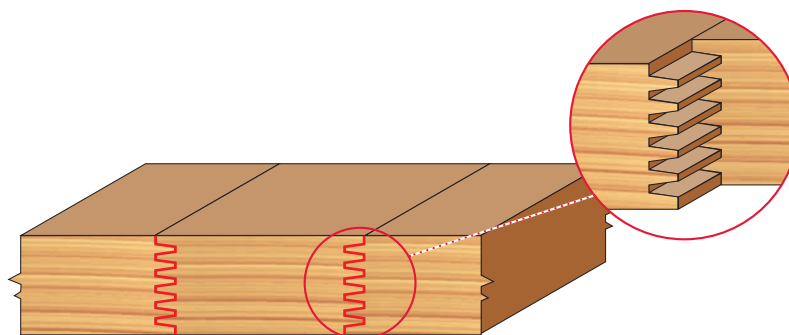
99-039



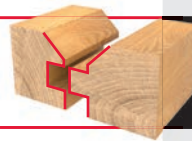
52-108



52-104



"V" Panel Bit Set



JOINERY BITS

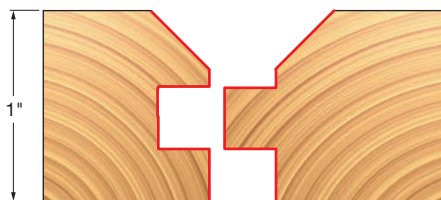
ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT 1	MINOR HEIGHT 2	ANGLE	SHANK DIA.	OVERALL LENGTH
99-191	2-11/64"	1-37/64"	1-1/8"	5/32" - 5/16"	25/64"	45°	1/2"	3-3/8"



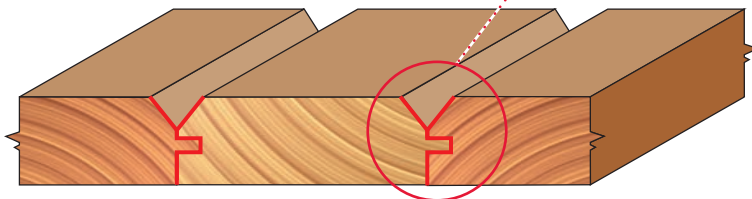
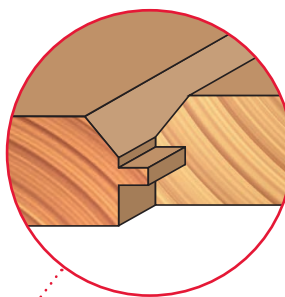
99-191



99-191



99-191



USE IN



Table Router

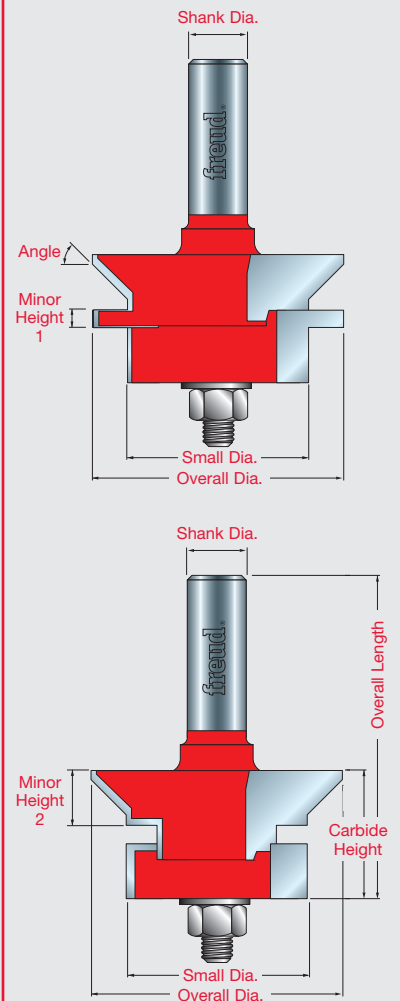
APPLICATION

Creating attractive "V" Groove paneling. Set includes spacers that allow you to produce "V" paneling from 1/2", 3/4", or 1" thick stock.

MATERIALS



ROUTER BITS



SOLID SURFACE BITS

Round Over Bowl Bits

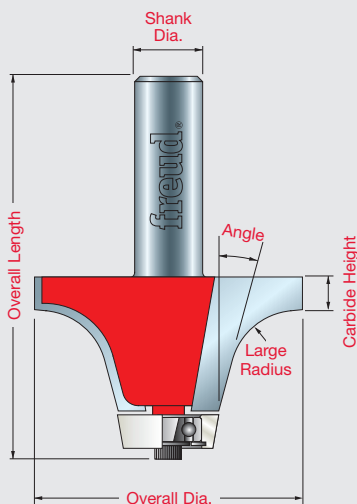
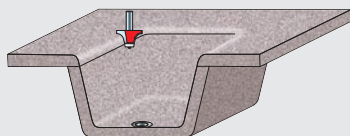
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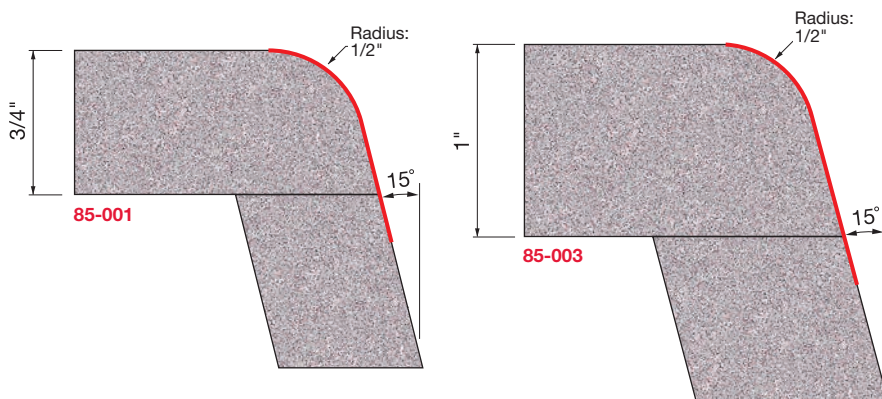
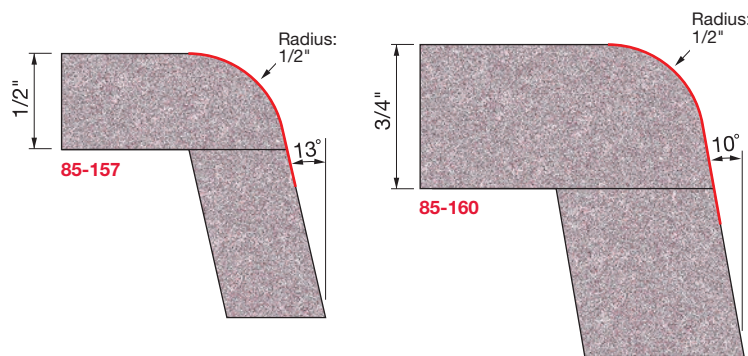
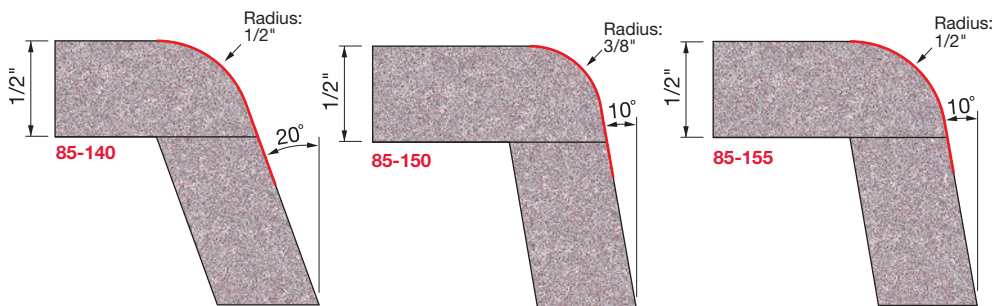
Hand Router

APPLICATION

Trimming joint between solid surface countertops and solid surface sink bowls with a smooth, rounded edge. Specially formulated carbide is ideal for fabricating solid surface materials. Features non-marring synthetic bearing to protect finished edges.

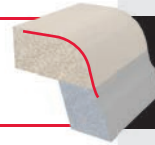


ITEM NUMBER	FOR TOP THICKNESS	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	ANGLE	SHANK DIA.	OVERALL LENGTH
For Corian® Bowls 802, 809, 810, 871							
85-140	1/2"	2-1/8"	1"	1/2"	20°	1/2"	2-13/16"
For Avonite®, Corian®, Fountainhead®, & Formica® bowls, Transolid® and Hi-Macs® sinks							
85-150	1/2"	2-1/8"	7/8"	3/8"	10°	1/2"	2-3/4"
85-155	1/2"	2-1/4"	7/8"	1/2"	10°	1/2"	2-51/64"
85-160	3/4"	2-1/2"	1-1/8"	1/2"	10°	1/2"	3-3/64"
For Gruber®, Royal Stone®, Transolid® and Hi-Macs® Bowls							
85-157	1/2"	2-3/8"	7/8"	1/2"	13°	1/2"	2-51/64"
For various bowls and sinks with 15° angle							
85-001	3/4"	2"	1"	1/2"	15°	1/2"	2-7/8"
85-003	1"	2"	1-1/4"	1/2"	15°	1/2"	3-1/8"



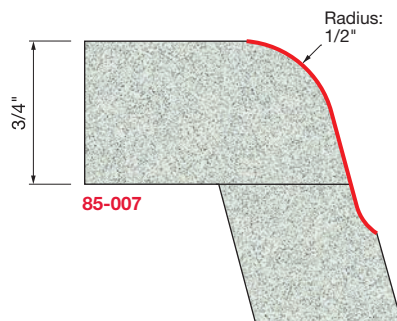
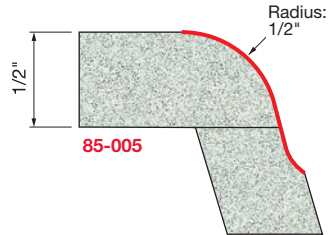
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Ogee Bowl Bits



SOLID SURFACE BITS

ITEM NUMBER	FOR TOP THICKNESS	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	ANGLE	SHANK DIA.	OVERALL LENGTH
For Corian® Bowls 802, 809, 810, 871							
85-005	1/2"	2"	1"	1/2"	15°	1/2"	2-7/8"
85-007	3/4"	2"	1-1/4"	1/2"	15°	1/2"	3-1/8"



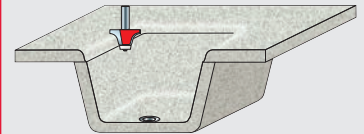
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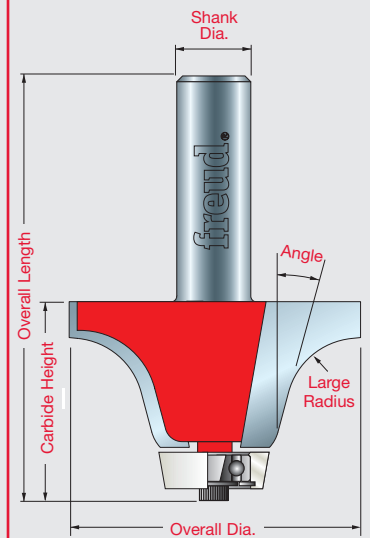
Hand Router

APPLICATION

Trimming joint between solid surface countertops and solid surface sink bowls with a rounded ogee design. Specially formulated carbide is ideal for fabricating solid surface materials. Features non-marring synthetic bearing to protect finished edges.



ROUTER BITS



SOLID SURFACE BITS

Bevel Bowl Bits

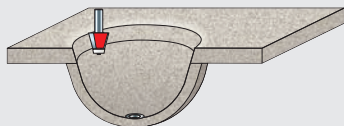
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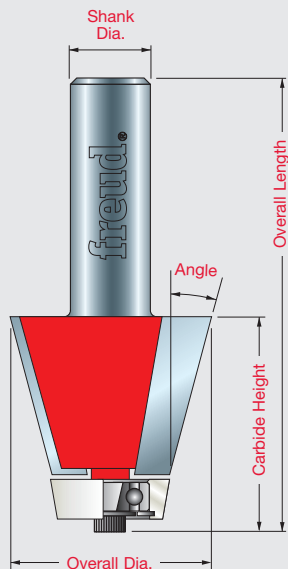
Hand Router

APPLICATION

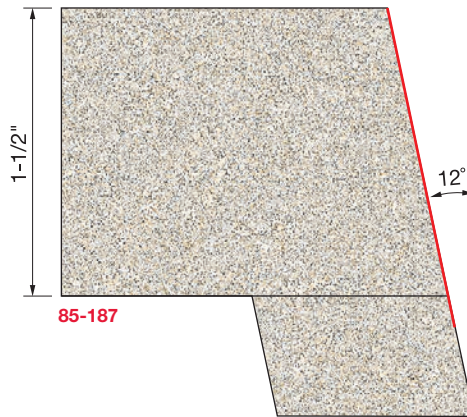
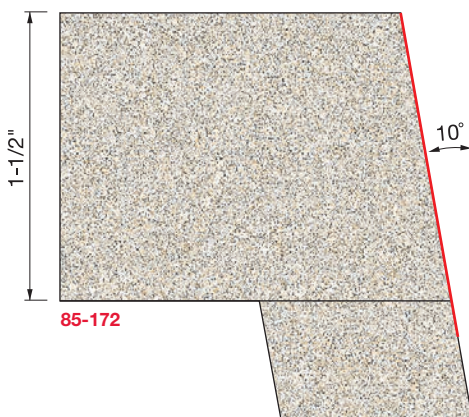
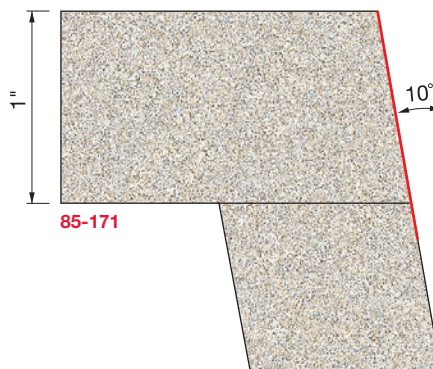
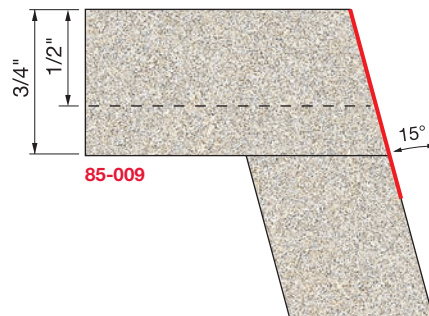
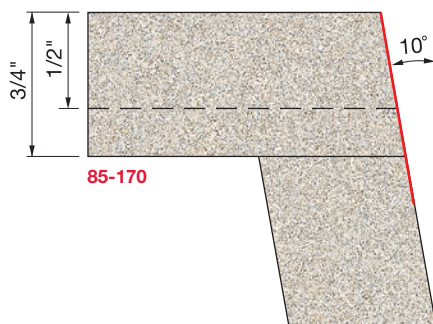
Trimming joint between solid surface countertops and solid surface sink bowls with a beveled edge. Specially formulated carbide is ideal for fabricating solid surface materials. Features non-marring synthetic bearing to protect finished edges.



ROUTER BITS



ITEM NUMBER	FOR TOP THICKNESS	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
For Avonite®, Cerata® and Corian® sinks and bowls						
85-170	1/2" or 3/4"	1-3/8"	1"	10°	1/2"	2-7/8"
85-171	1"	1-9/16"	1-1/4"	10°	1/2"	3-1/8"
85-172	1-1/2"	1-3/4"	1-3/4"	10°	1/2"	3-3/8"
For Royal Stone®, Gruber® and Staron® sinks and bowls						
85-187	1-1/2"	1-3/4"	1-3/4"	12°	1/2"	3-5/8"
For 15° sinks and bowls						
85-009	1/2" or 3/4"	1-9/32"	1"	15°	1/2"	2-7/8"

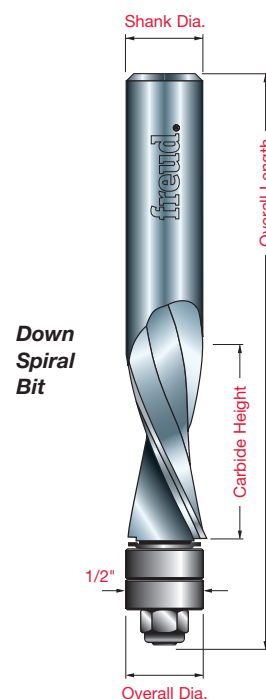
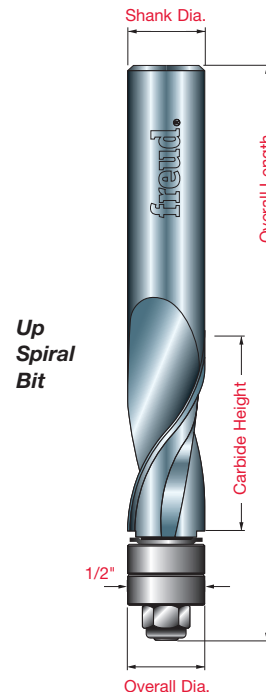
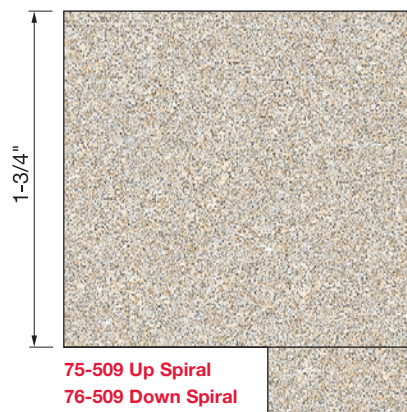
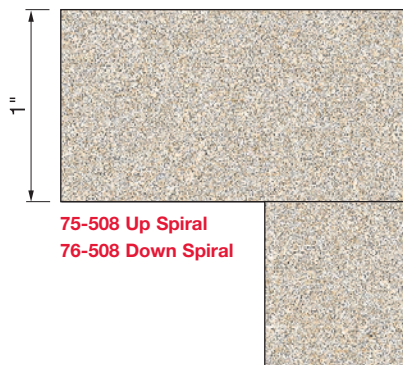
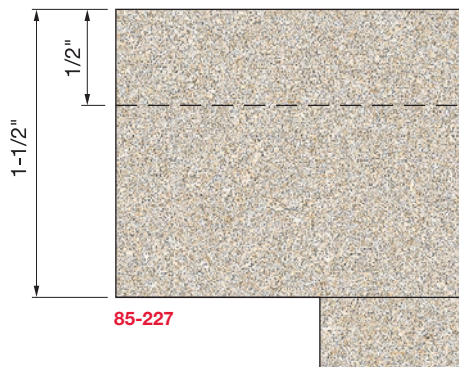


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Flush Trim Solid Surface Bits

SOLID SURFACE BITS

ITEM NUMBER	FOR TOP THICKNESS	SHEAR DIRECTION	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
85-227	1/2" to 1-1/2"	N/A	3/4"	1-3/4"	1/2"	3-5/8"
Spiral Flush Trim Bits						
75-508	1"	Up	1/2"	1-1/4"	1/2"	3-3/4"
75-509	1-3/4"	Up	1/2"	2"	1/2"	4-11/16"
76-508	1"	Down	1/2"	1-1/4"	1/2"	3-3/4"
76-509	1-3/4"	Down	1/2"	2"	1/2"	4-11/16"



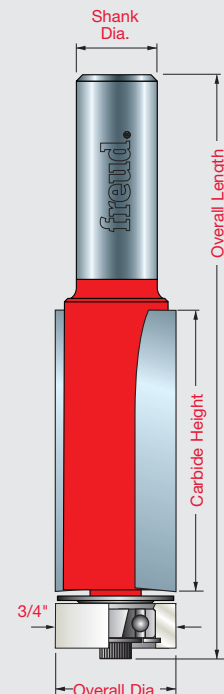
USE IN



Hand Router

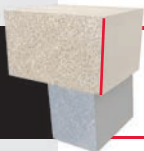
APPLICATION

Flush trimming of solid surface materials. Specially formulated carbide is ideal for fabricating solid surface materials. Bit #85-227 features non-marring synthetic bearing to protect finished edges. Spiral flush trim bits deliver very fast, clean cuts in thick solid surface materials.



ROUTER BITS

SOLID SURFACE BITS



Overhang Trim and Cut Out Bits

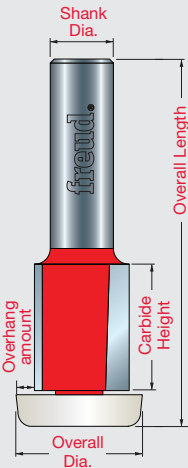
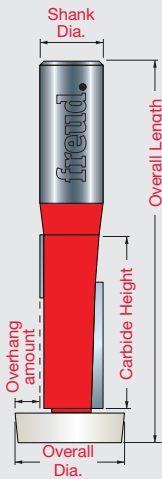
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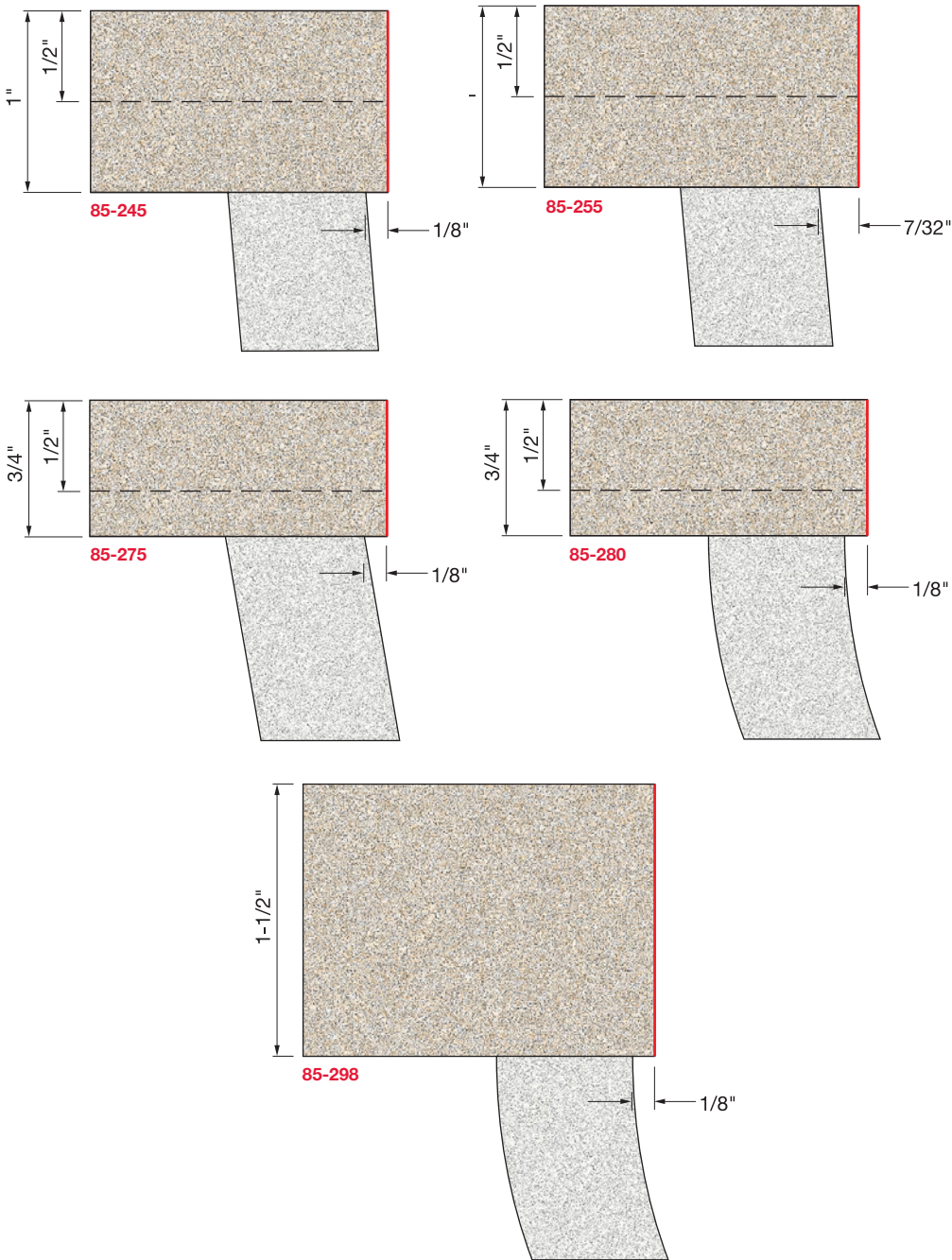
Hand Router

APPLICATION

Initial bowl cut out to prepare for round over, ogee, bevel or bull nose finish cuts. Specially formulated carbide is ideal for fabricating solid surface materials. Features non-marring synthetic bearing to protect finished edges.

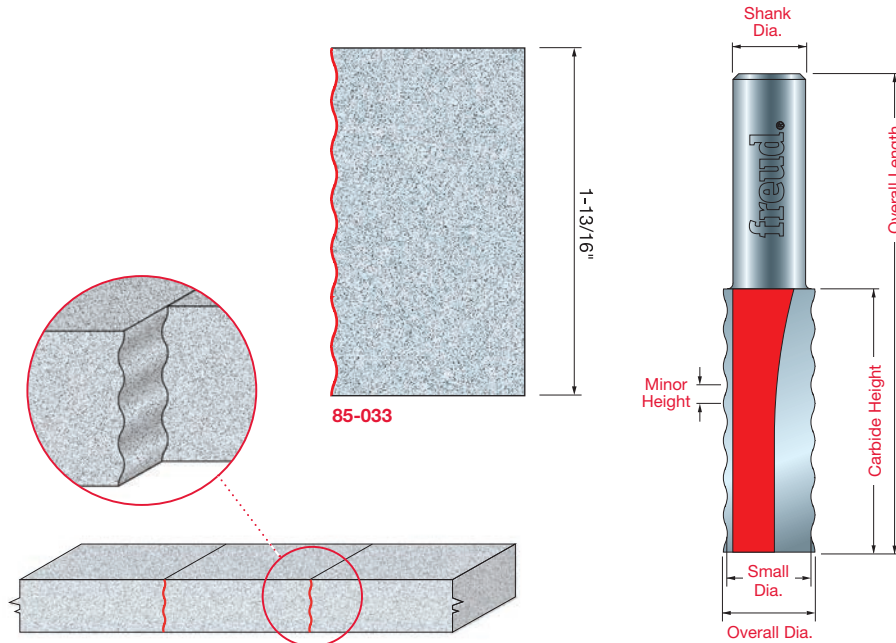


ITEM NUMBER	FOR TOP THICKNESS	OVERHANG AMOUNT	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
Overhang Cut Out Bits with 5° beveled bearing						
85-245	1-1/4"	1/8"	1/2"	1-3/8"	1/2"	3"
85-255	1-1/4"	7/32"	1/2"	1-3/8"	1/2"	3"
Overhang Trim Bit with 10° beveled bearing						
85-275	1/2" or 3/4"	1/8"	3/4"	1"	1/2"	2-7/8"
Overhang Trim Bits with 5° radiused bearing						
85-280	1/2" or 3/4"	1/8"	3/4"	1"	1/2"	2-7/8"
85-298	1-1/2"	1/8"	3/4"	1-3/4"	1/2"	3-5/8"



Wavy Joint Bit

ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	SHANK DIA.	OVERALL LENGTH
85-033	5/8"	37/64"	1-13/16"	1/8"	1/2"	3-1/8"



SOLID SURFACE BITS

USE IN



Hand Router

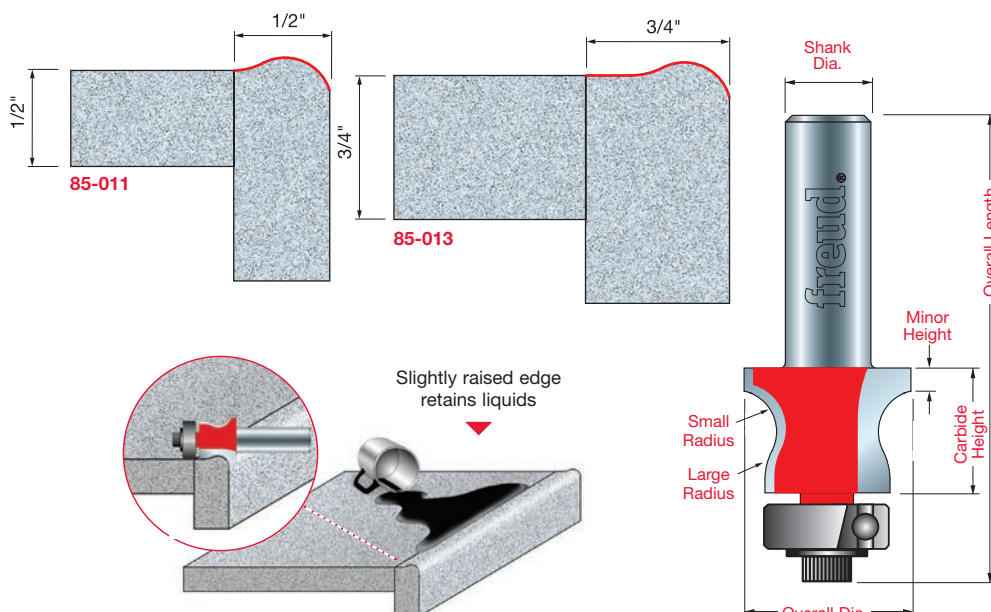
APPLICATION

Producing a sturdy joint in solid surface countertops. Waves formed in material accommodate more surface glue, creating a solid joint. Specially formulated carbide is ideal for fabricating solid surface materials.

ROUTER BITS

No Drip Edge Bits

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
85-011	1"	3/4"	9/64"	3/8"	1/4"	1/2"	2-13/16"
85-013	1"	1"	9/64"	3/8"	1/4"	1/2"	3-1/16"



SOLID SURFACE BITS

USE IN



Hand Router

APPLICATION

Creating a slightly raised edge on a solid surface countertop. Specially formulated carbide is ideal for fabricating solid surface materials.

SOLID SURFACE BITS



Under Rounding Bit For Bull Nose

USE IN

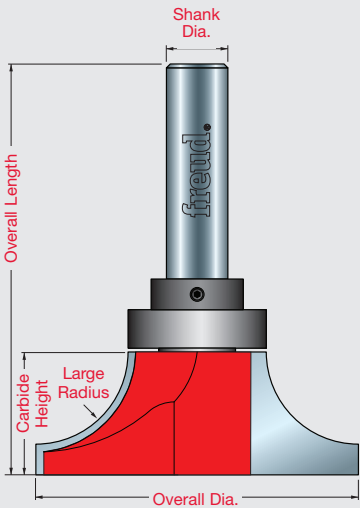
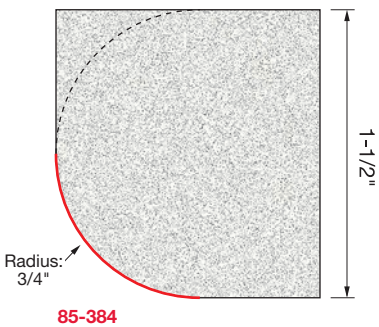
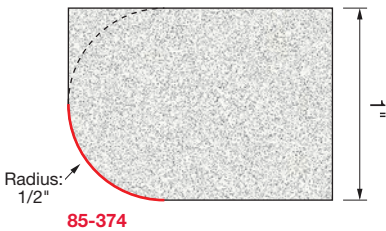
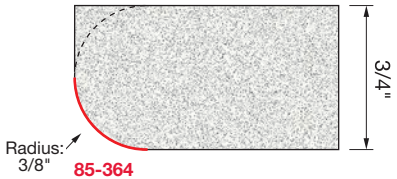
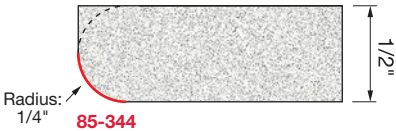


Hand Router

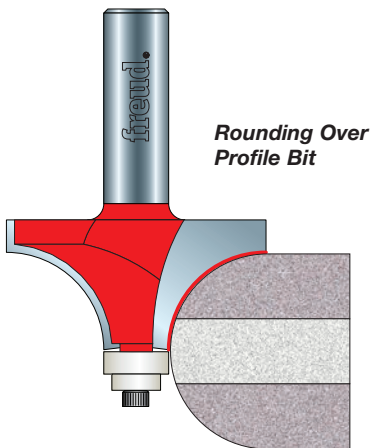
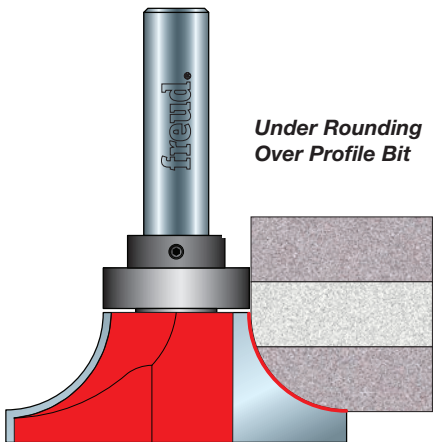
APPLICATION

Routing the lower portion of a bull nose edge. Combine these bits with the rounding over bits above to create perfect bull nose edges. Specially formulated carbide is ideal for fabricating solid surface materials.

ITEM NUMBER	FOR TOP THICKNESS	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
85-344	1/2"	1-5/8"	3/8"	1/4"	1/2"	2-5/8"
85-364	3/4"	1-7/8"	1/2"	3/8"	1/2"	2-3/4"
85-374	1"	2-1/8"	3/4"	1/2"	1/2"	3"
85-384	1-1/2"	2-5/8"	1"	3/4"	1/2"	3-3/8"



A full bull nose profile can be created by using the under rounding bit to create the bottom round over profile and use the rounding over bit (next page) to create the top round over profile.

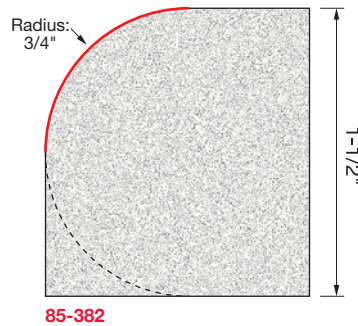
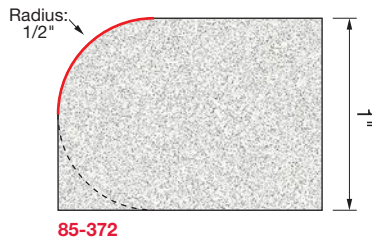
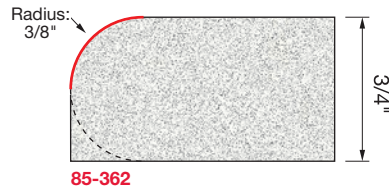
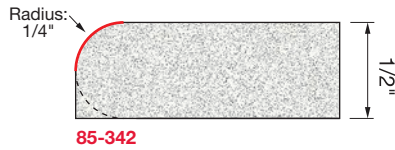


Rounding Over Bits



SOLID SURFACE BITS

ITEM NUMBER	FOR TOP THICKNESS	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
85-342	1/2"	1"	3/8"	1/4"	1/2"	2-3/8"
85-362	3/4"	1-1/4"	1/2"	3/8"	1/2"	2-1/2"
85-372	1"	1-1/2"	3/4"	1/2"	1/2"	2-3/4"
85-382	1-1/2"	2"	1"	3/4"	1/2"	3"



USE IN

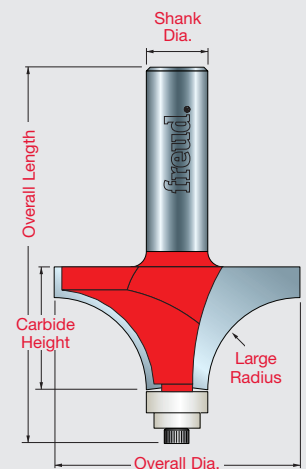


Hand Router

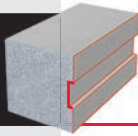
APPLICATION

Rout rounded top edges, or use with under rounding bits to create bull nose profiles. Use to rout a round over, or in combination with the under rounding bits with the same radius to rout a bull nose. Specially formulated carbide is ideal for fabricating solid surface materials. Features non-marring synthetic bearing to protect finished edges.

ROUTER BITS



SOLID SURFACE BITS



Inlay Bits

USE IN

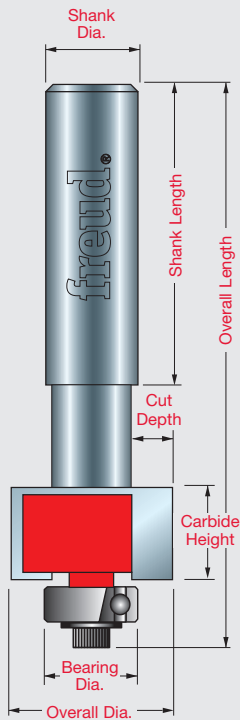


Hand Router

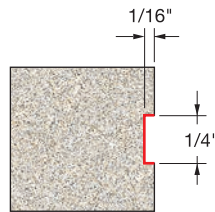
APPLICATION

Decorative inlay work in solid surface countertops. Specially formulated carbide is ideal for fabricating solid surface materials.

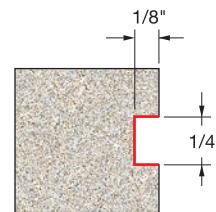
ROUTER BITS



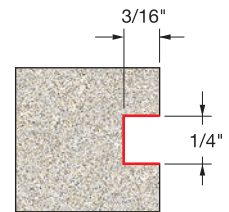
ITEM NUMBER	OVERALL DIA.	CUT DEPTH	BEARING DIA.	CARBIDE HEIGHT	SHANK LENGTH	SHANK DIA.	OVERALL LENGTH
85-015	7/8"	1/16"	3/4"	1/4"	1-5/8"	1/2"	2-13/16"
85-017	7/8"	1/8"	5/8"	1/4"	1-5/8"	1/2"	2-13/16"
85-019	7/8"	3/16"	1/2"	1/4"	1-5/8"	1/2"	2-13/16"
85-021	7/8"	1/16"	3/4"	1/2"	1-5/8"	1/2"	3-1/16"
85-023	7/8"	1/8"	5/8"	1/2"	1-5/8"	1/2"	3-1/16"
85-025	7/8"	3/16"	1/2"	1/2"	1-5/8"	1/2"	3-1/16"
85-027	7/8"	1/16"	3/4"	3/4"	1-5/8"	1/2"	3-5/16"
85-029	7/8"	1/8"	5/8"	3/4"	1-5/8"	1/2"	3-5/16"
85-031	7/8"	3/16"	1/2"	3/4"	1-5/8"	1/2"	3-5/16"



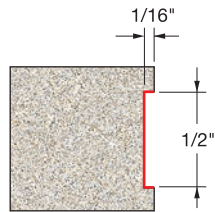
85-015



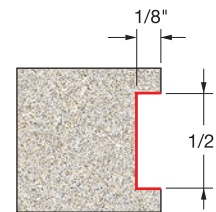
85-017



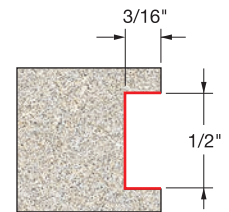
85-019



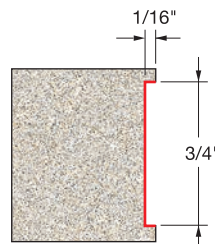
85-021



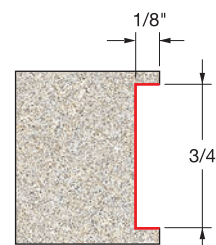
85-023



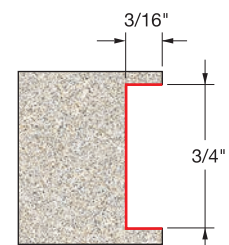
85-025



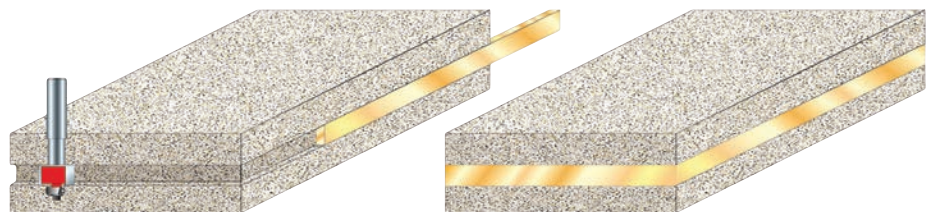
85-027



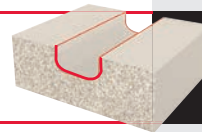
85-029



85-031

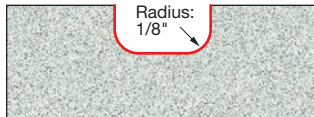


Drainboard Bits

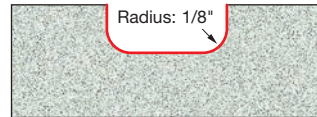


SOLID SURFACE BITS

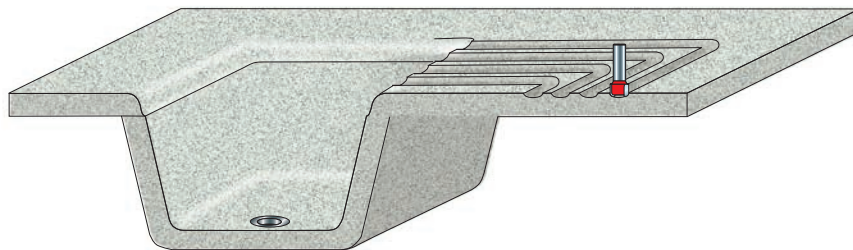
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
85-050	1/2"	1/2"	1/8"	1/2"	2-7/8"
85-052	5/8"	1/2"	1/8"	1/2"	2-7/8"



85-050



85-052



USE IN

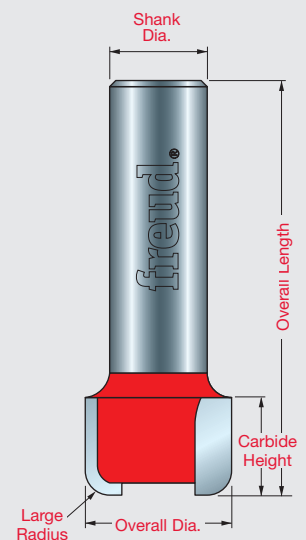


Hand Router

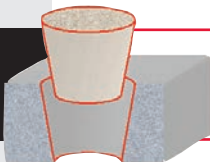
APPLICATION

Routing grooves in drainboard countertops. Specially formulated carbide is ideal for fabricating solid surface materials.

ROUTER BITS



SOLID SURFACE BITS



Trimming, Repair and Bowl Removal Bits

USE IN

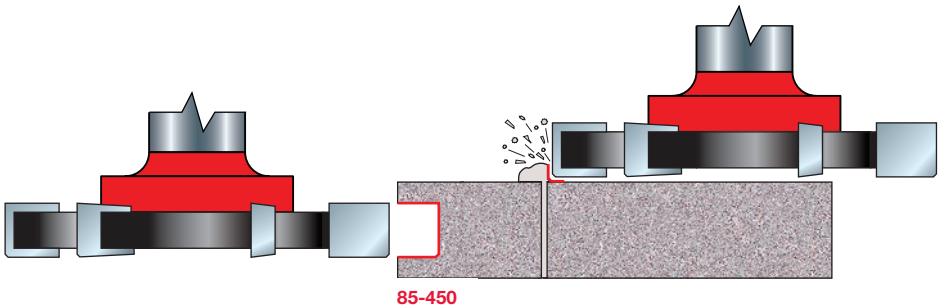
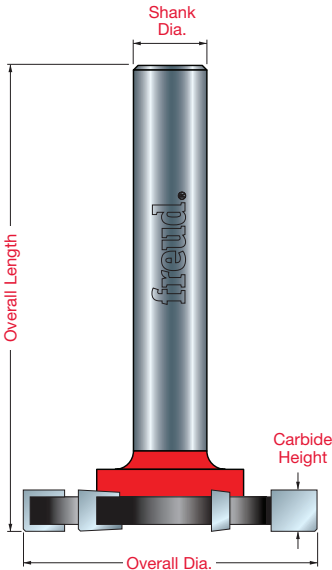


Hand Router

APPLICATION

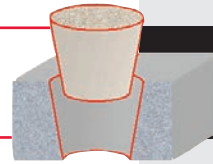
Trimming, repair and bowl removal. Specially formulated carbide is ideal for fabricating solid surface materials.

ITEM NUMBER	DESCRIPTION	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
Trimming & Grooving Bit, removes excess adhesive, cuts spline grooves						
85-450	6 wing trim	2"	1/4"	–	1/2"	3-1/8"
Solid Surface "Dovetail" Repair Set, produces matching bevel edges						
85-300	Bevel Bit	1-1/8"	1"	12-1/2°	1/2"	3"
85-305	Dovetail Bit	1-1/8"	1"	13°	1/2"	3"
4-Wing Bowl Removal Bits, remove damaged bowls from tops						
85-465	1-1/8" cut depth, For all bowls except Corian®	3-5/8"	1/4"	–	1/2"	2-5/8"
85-470	15/16" cut depth, For Corian® bowls	3-3/16"	1/4"	–	1/2"	2-5/8"
Plug Cutter Repair Set, use to repair holes and gouges in tops						
85-175	Plug Cutter	2-1/4"	1-7/16"	–	1/2"	3-5/16"
	Tapered Hole Cutter	1-11/16"	1-7/16"	–	1/2"	3-5/16"



Trimming, Repair and Bowl Removal Bits

CONTINUED



SOLID SURFACE BITS

USE IN

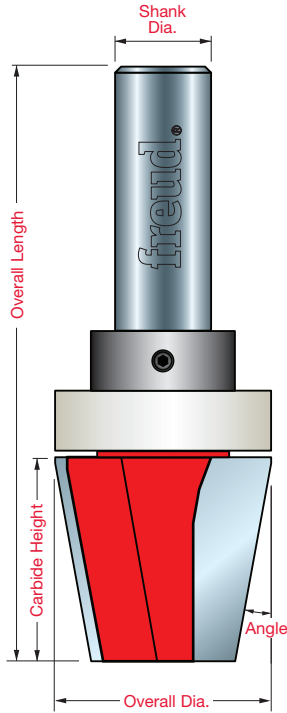


Hand Router

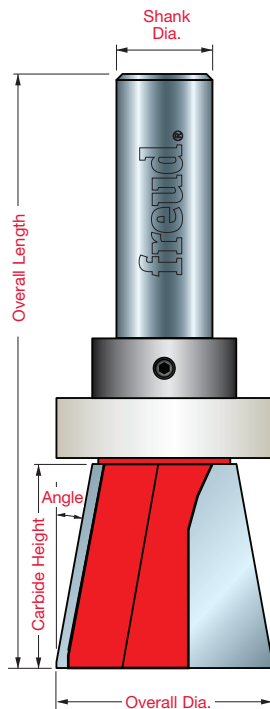
APPLICATION

Trimming, repair and bowl removal. Specially formulated carbide is ideal for fabricating solid surface materials.

ROUTER BITS

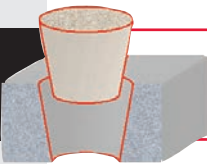


85-300



85-305

SOLID SURFACE BITS



Trimming, Repair and Bowl Removal Bits

CONTINUED

USE IN

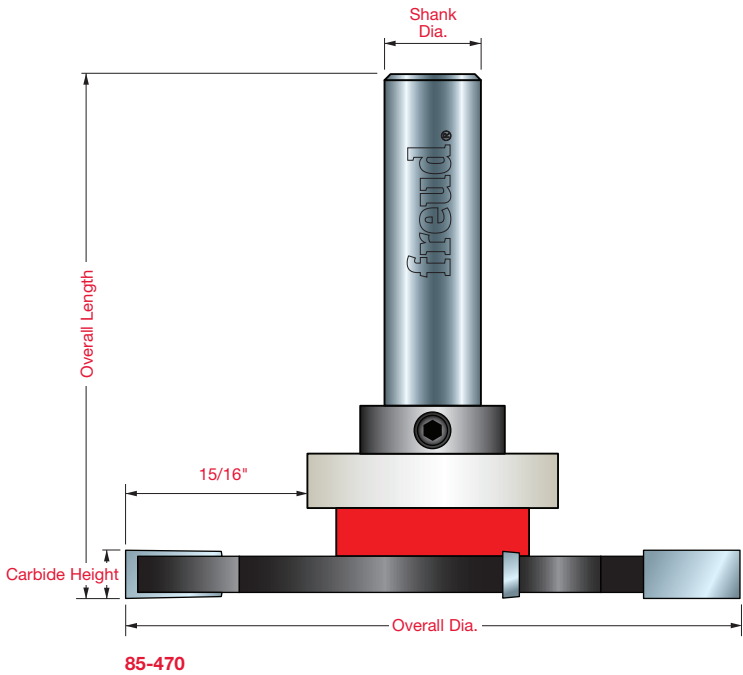


Hand Router

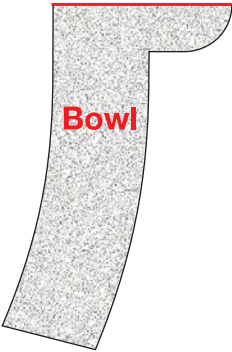
APPLICATION

Trimming, repair and bowl removal. Specially formulated carbide is ideal for fabricating solid surface materials.

ROUTER BITS



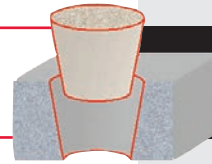
Bits #85-465 & #85-470 are used for removing mounted bowls as shown below.



85-465 / 85-470

Trimming, Repair and Bowl Removal Bits

CONTINUED



SOLID SURFACE BITS

USE IN

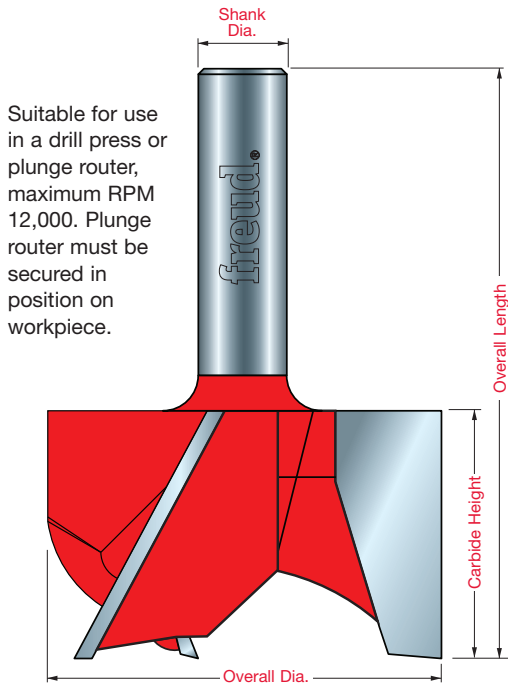


Hand Router

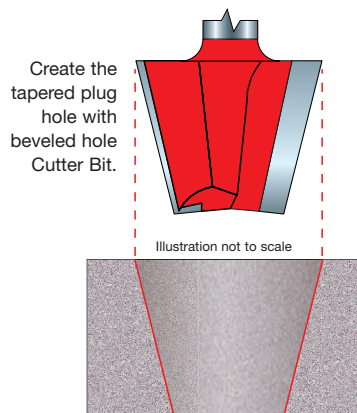
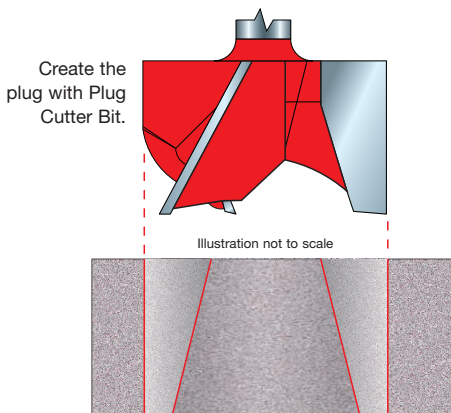
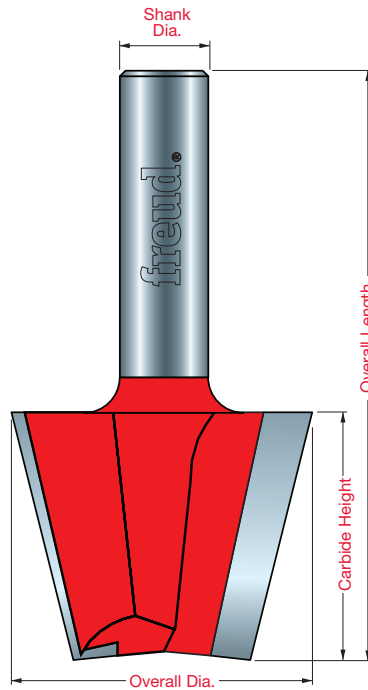
APPLICATION

Trimming, repair and bowl removal. Specially formulated carbide is ideal for fabricating solid surface materials.

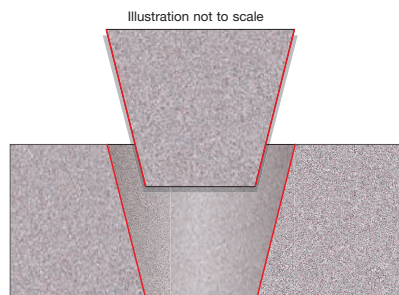
ROUTER BITS



Suitable for use in a drill press or plunge router, maximum RPM 12,000. Plunge router must be secured in position on workpiece.



Plug is ready for installation and finishing. Maximum plug diameter is 1-3/4".



85-175 2 Bit Set

SOLID SURFACE BITS



Solid Surface Edge Profile Bits

USE IN



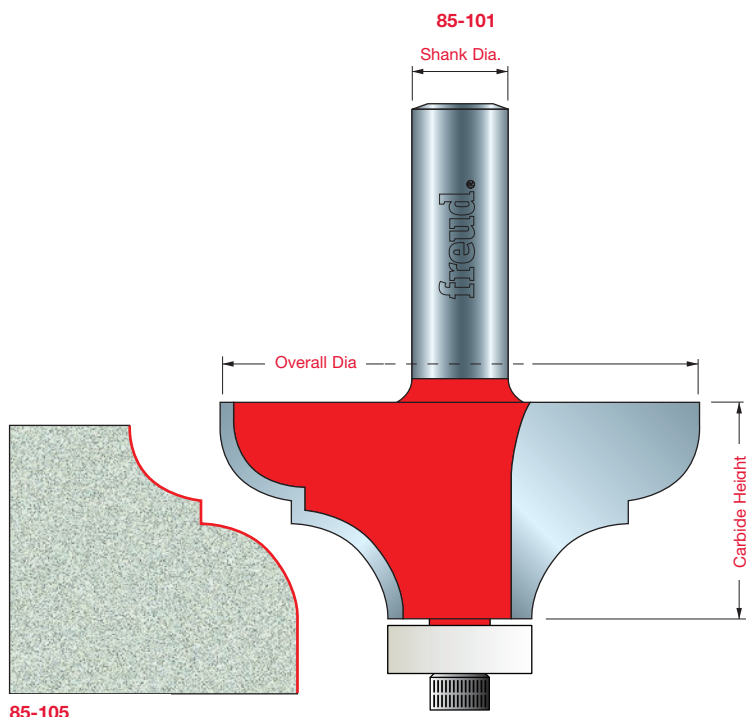
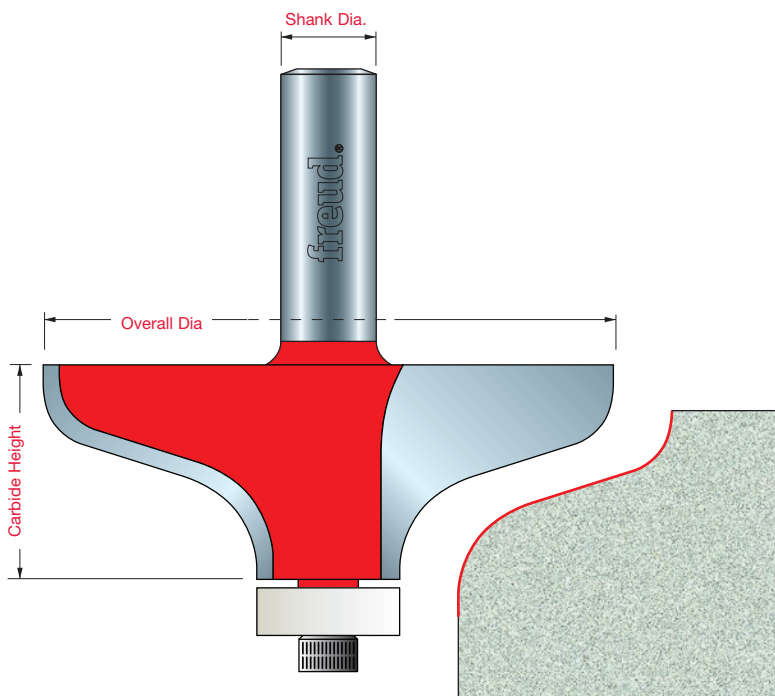
Hand Router

APPLICATION

Decorative edges on all solid surface tops. Specially formulated carbide is ideal for fabricating solid surface materials.

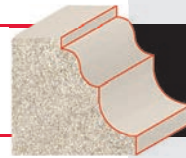
ROUTER BITS

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	BEARING TYPE
85-101	3"	1-1/8"	1/2"	Synthetic
85-105	2-1/2"	1-1/8"	1/2"	Synthetic
85-108	2-1/2"	1-1/4"	1/2"	Steel
85-115	3-1/8"	1"	1/2"	Steel
85-118	1-11/16"	3/4"	1/2"	Steel
85-127	2-1/8"	1"	1/2"	Steel
85-131	2"	7/8"	1/2"	Steel
85-135	1-5/16"	1-1/16"	1/2"	Synthetic



Solid Surface Edge Profile Bits

CONTINUED



SOLID SURFACE BITS

USE IN

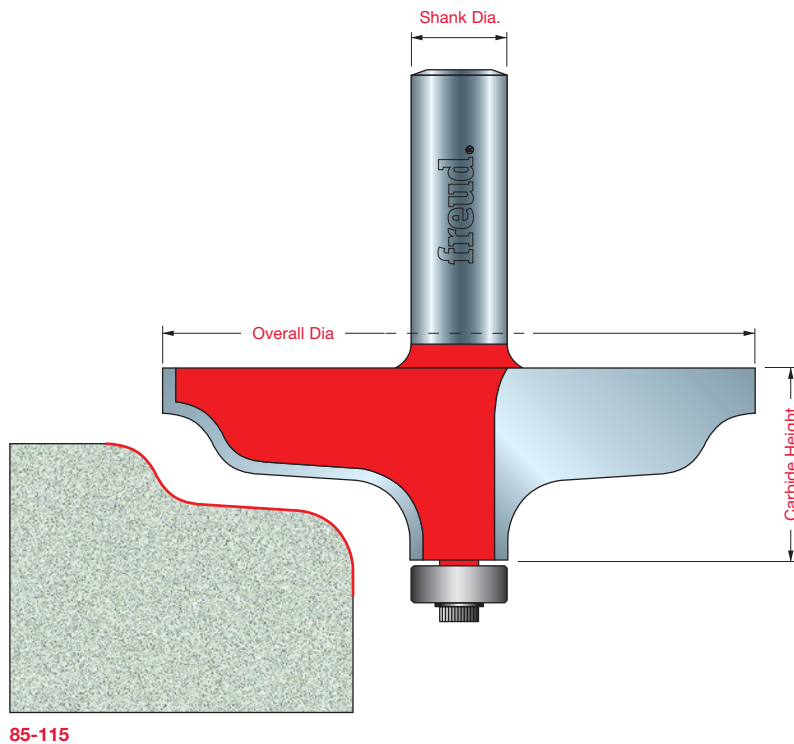
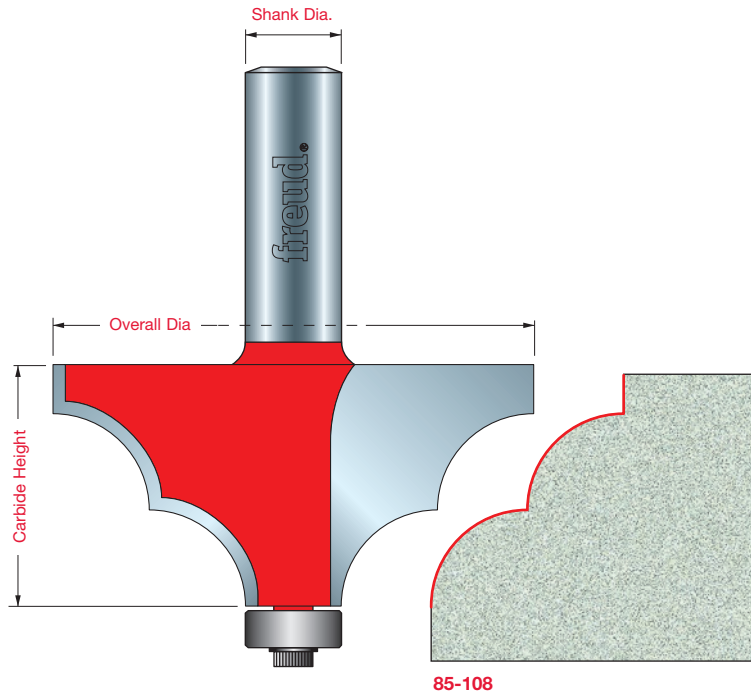


Hand Router

APPLICATION

Decorative edges on all solid surface tops. Specially formulated carbide is ideal for fabricating solid surface materials.

ROUTER BITS



SOLID SURFACE BITS



Solid Surface Edge Profile Bits

CONTINUED

USE IN

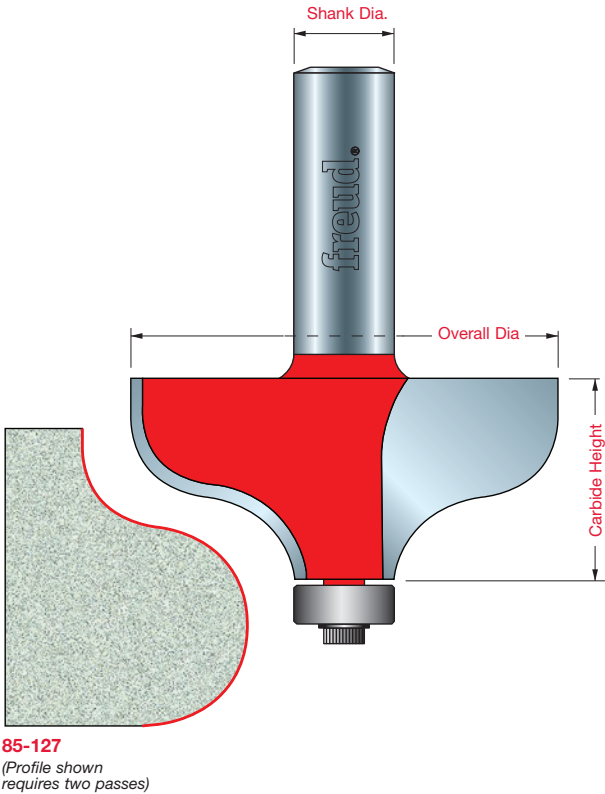
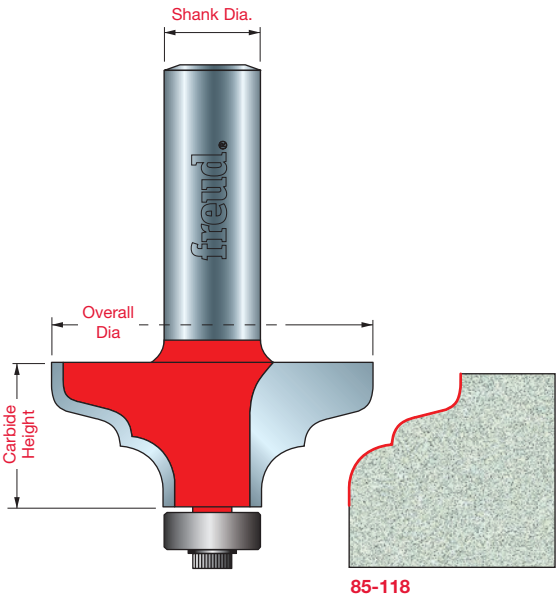


Hand Router

APPLICATION

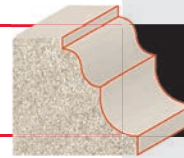
Decorative edges on all solid surface tops. Specially formulated carbide is ideal for fabricating solid surface materials.

ROUTER BITS



Solid Surface Edge Profile Bits

CONTINUED



SOLID SURFACE BITS

USE IN

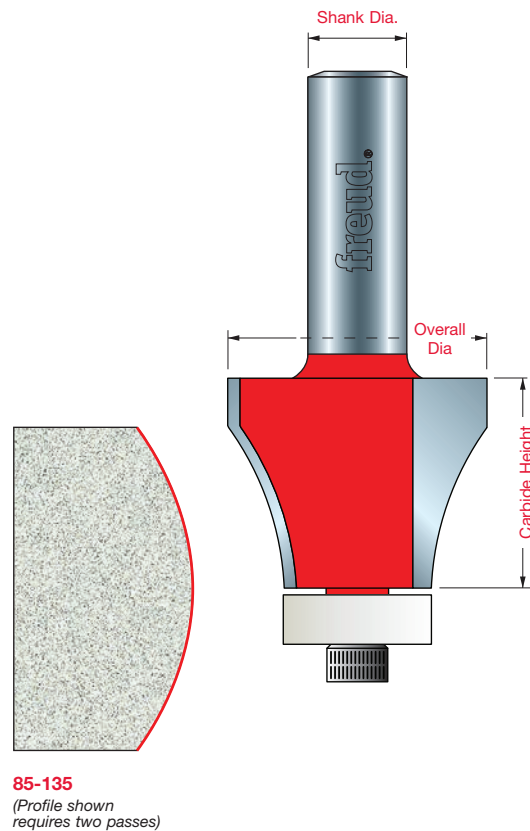
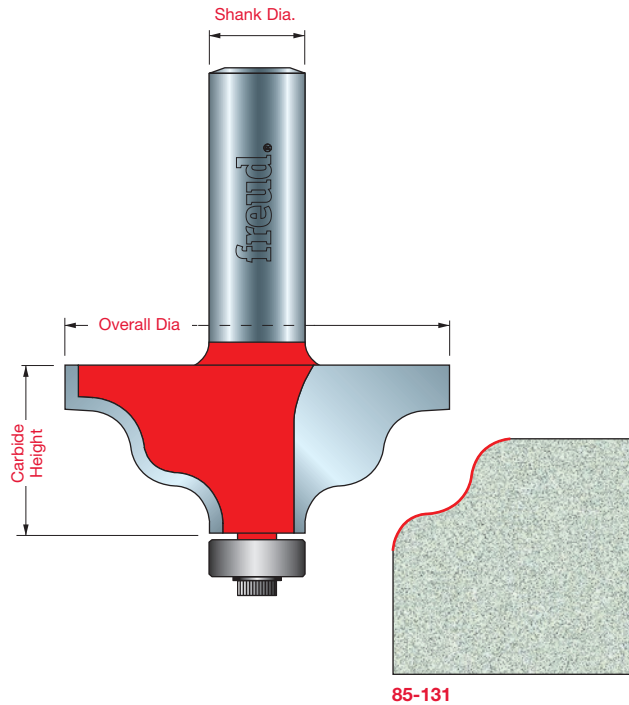


Hand Router

APPLICATION

Decorative edges on all solid surface tops. Specially formulated carbide is ideal for fabricating solid surface materials.

ROUTER BITS



DOOR & WINDOW BITS

Window Sash & Rail Bits

USE IN



Table Router

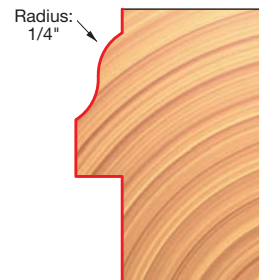
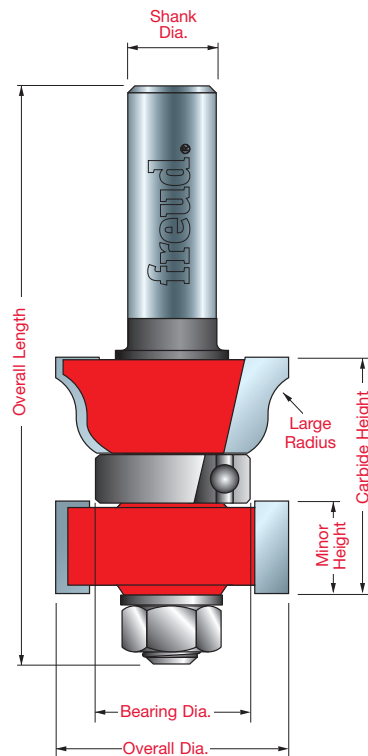
APPLICATION

Two bits work together to produce a complete divided lite sash. 99-050 copes the rails, sash bars and muntins, while 99-051 cuts the profile on all components. Includes instruction manual.

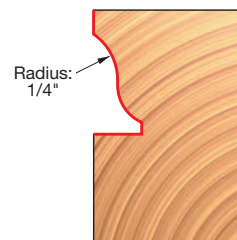
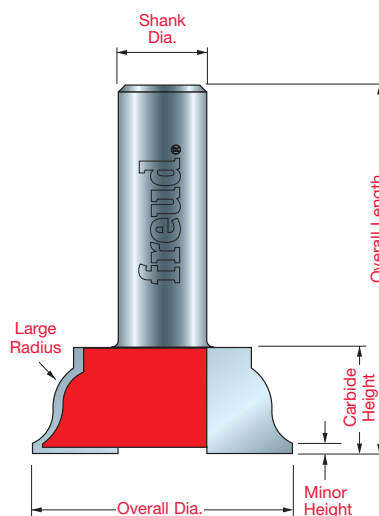
MATERIALS



ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
99-051	1-11/32"	22mm	1-25/64"	17/32"	1/4"	1/2"	3-7/16"
99-050	1-1/2"	—	39/64"	1/16"	1/4"	1/2"	2-1/16"



99-051



99-050

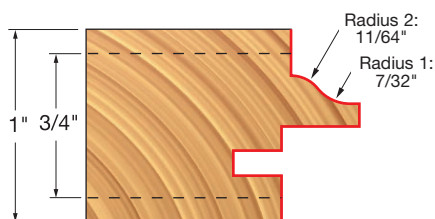
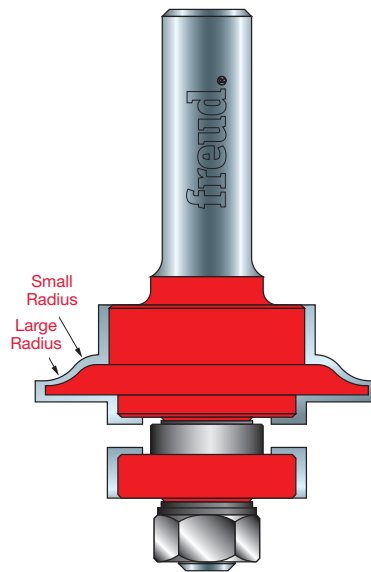
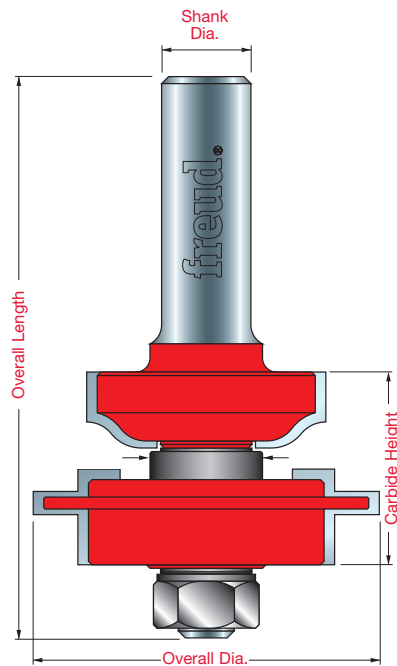
Glass Panel Cabinet Door Bit Set

DOOR & WINDOW BITS

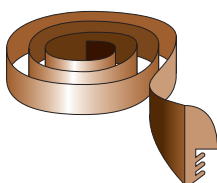
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-286	2"	16mm	1-3/32"	7/32"	11/64"	1/2"	3-1/8"

Glass Panel Molding Spline

ITEM NUMBER	COLOR	ROLL LENGTH
GM005	Fruitwood (medium brown)	25'



99-286



1/8" (0.125") Glass

USE IN



Table Router

APPLICATION

Creates top quality strong, tight-fitting glass panel door joints with ease and accuracy. Extra strong rail and stile joints with a unique lock in the stile and rail joint, plus significantly more gluing surface. Easy time saving set-up improves accuracy and increases profitability for the professional.

MATERIALS



ROUTER BITS

DOOR & WINDOW BITS



Recoverable Bead Glass Door Bit Sets

USE IN



Table Router

APPLICATION

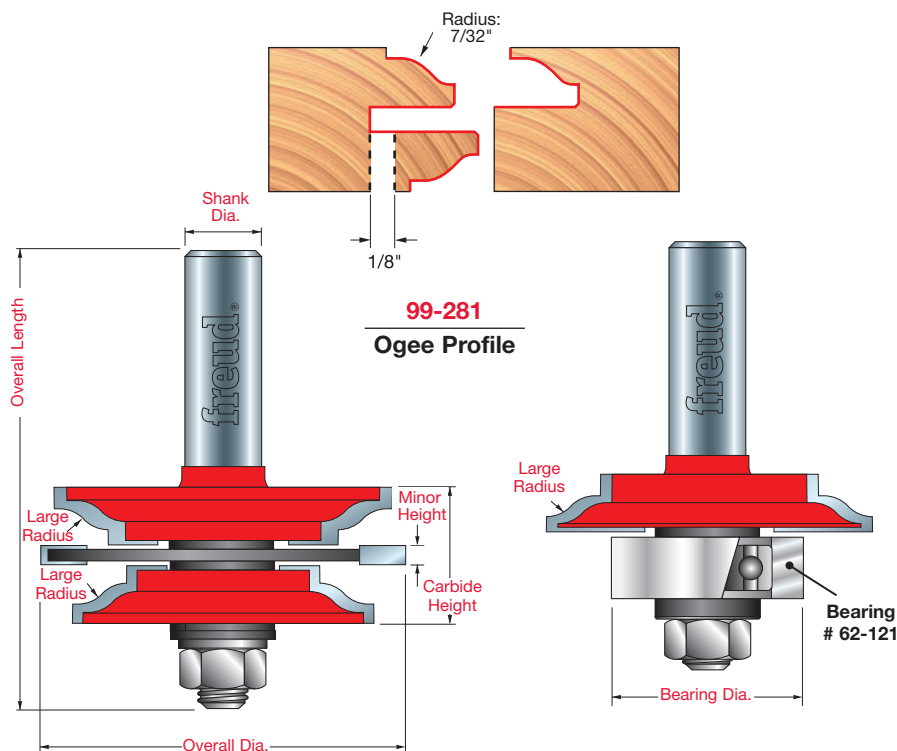
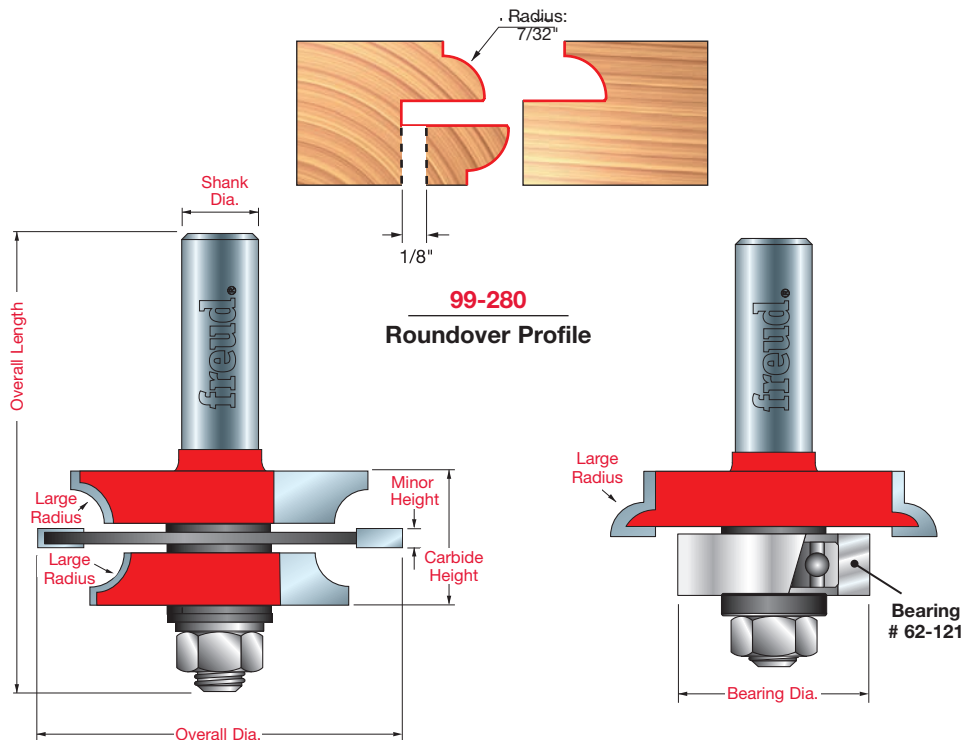
Creates glass doors that look equally good from the front and back. Each bit produces a unique profile on the front of the door and a matching profile on the back that can be removed with a 1/8" kerf saw blade, then miter cut to make a bead to secure the glass panel.

MATERIALS



ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
99-280	2-3/8"	1-1/4"	7/8"	1/8"	7/32"	1/2"	3"
99-281	2-3/8"	1-1/4"	7/8"	1/8"	7/32"	1/2"	3"
99-283	2-3/8"	1-1/4"	7/8"	1/8"	15/64"	1/2"	3"

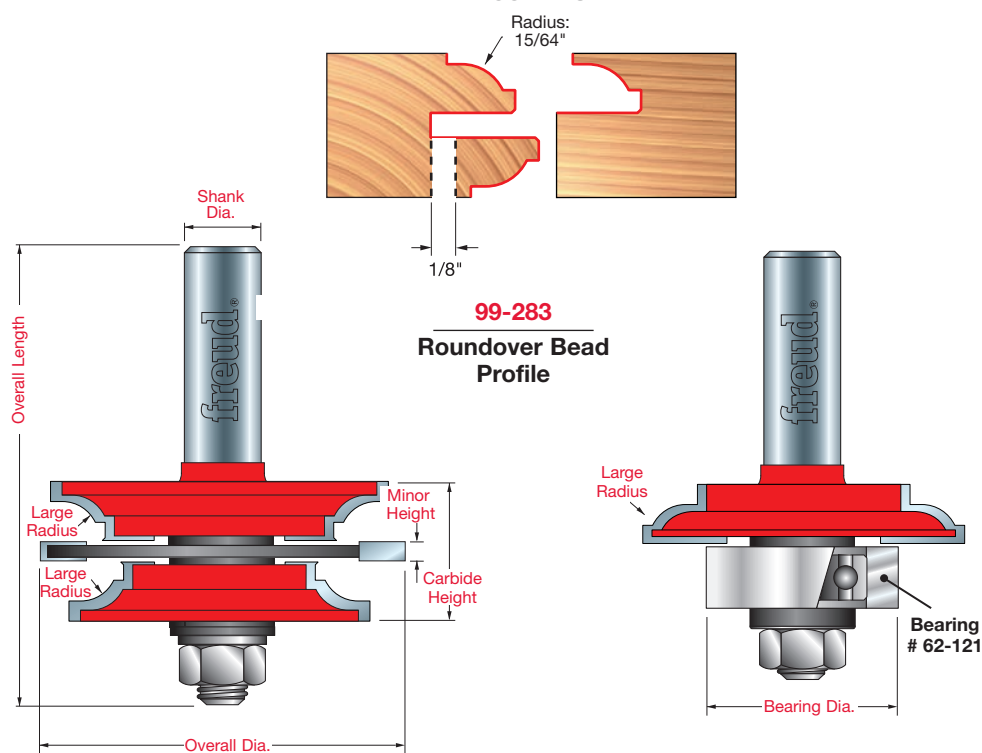
For bearing replacement, use specialty sleeve bearing item # 62-121



Recoverable Bead Glass Door Bit Sets

DOOR & WINDOW BITS

CONTINUED



USE IN



Table Router

APPLICATION

Creates glass doors that look equally good from the front and back. Each bit produces a unique profile on the front of the door and a matching profile on the back that can be removed with a 1/8" kerf saw blade, then miter cut to make a bead to secure the glass panel.

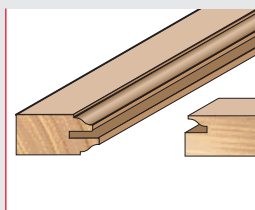
MATERIALS



ROUTER BITS

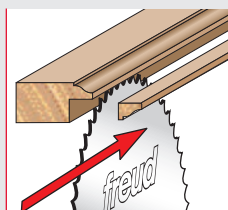
STEPS TO PERFECT GLASS CABINET DOORS

1



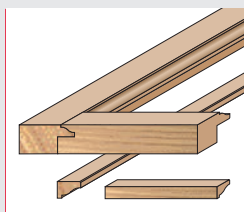
Cut profiles on stiles and rails using the Freud Recoverable Bead Glass Door Bit Set

2



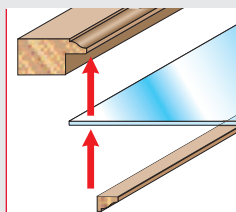
Remove beads with 1/8" kerf saw blade (10" Freud LM72 or LM74 Series recommended)

3



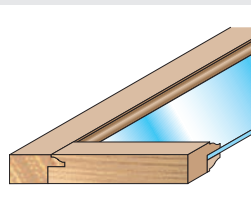
Assemble stiles and rails. Miter cut beads to size

4



Install 1/8" glass and secure with beads

5



Now you have cabinet doors that look as good open as they do closed

DOOR & WINDOW BITS



Divided Lite Cabinet Door Bit Set

USE IN



Table Router

APPLICATION

Build beautiful glass panel doors with classic multiple pane styling. The perfectly matched bits mill profiles for stiles, rails, mullions and muntins that allow you to build strong mortise and tenon joints.

MATERIALS



Hardwood



Softwood

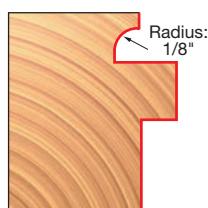
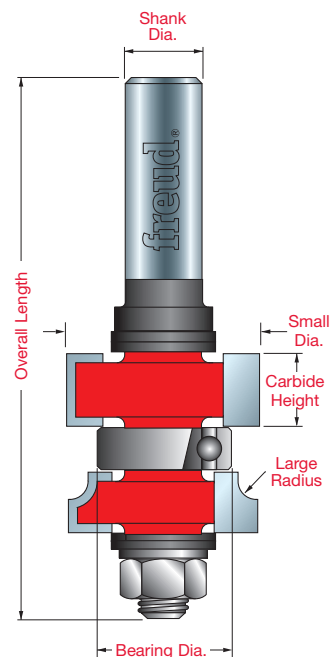
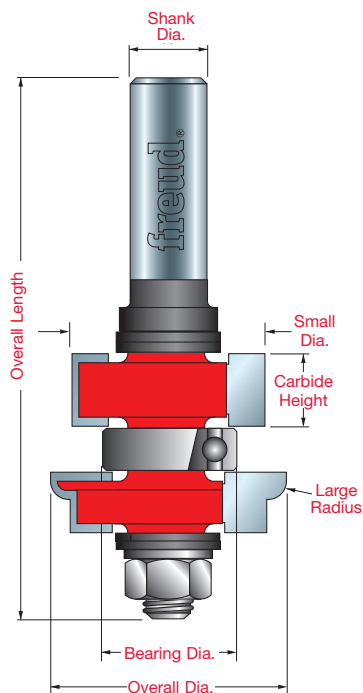


MDF

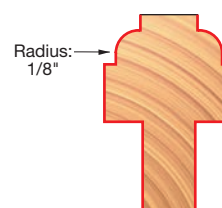


Plywood

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	SMALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
99-270	1-17/32"	22mm	1-1/4"	1-1/8"	1/8"	1/2"	3-7/16"



99-270



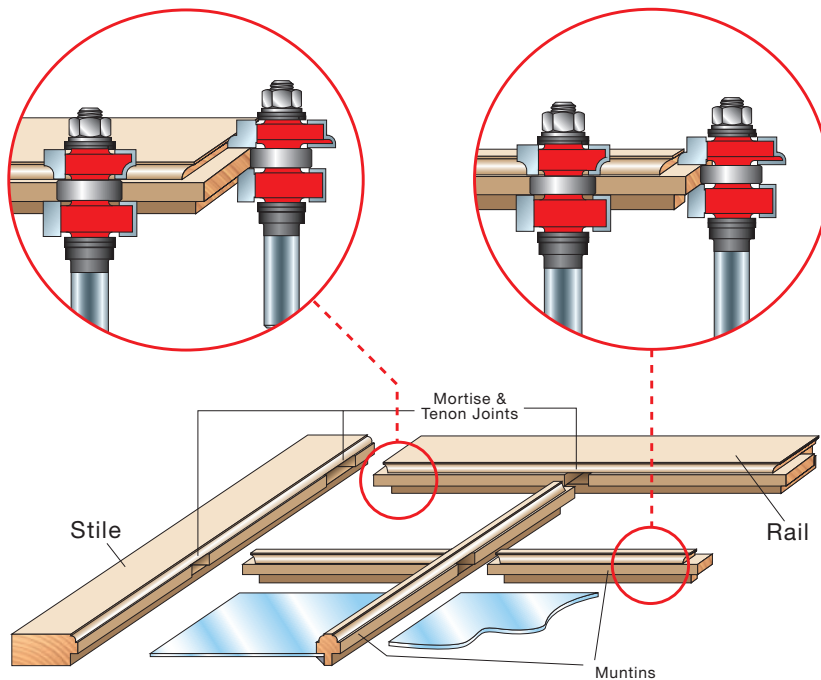
99-270

Divided Lite Cabinet Door Bit Set



DOOR & WINDOW BITS

CONTINUED



USE IN



APPLICATION

Build beautiful glass panel doors with classic multiple pane styling. The perfectly matched bits mill profiles for stiles, rails, mullions and muntins that allow you to build strong mortise and tenon joints.

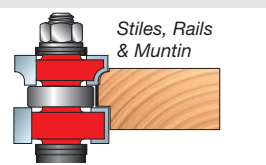
MATERIALS



ROUTER BITS

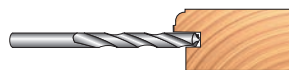
STEPS TO PRODUCE A DIVIDED LITE DOOR

1



Route bead profile

2



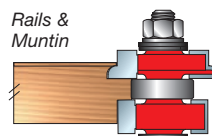
Drill starter hole for mortise

3



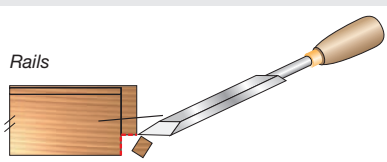
Chisel out drilled holes to complete mortise

4



Route Cope profile

5



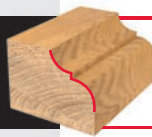
Trim tenon width (rails only) to match mortise in stiles

6



Fit the mortise and tenon cuts together

DOOR & WINDOW BITS



Rail & Stile Profile Bits

USE IN



Table Router Hand Router

APPLICATION

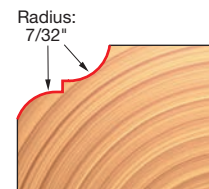
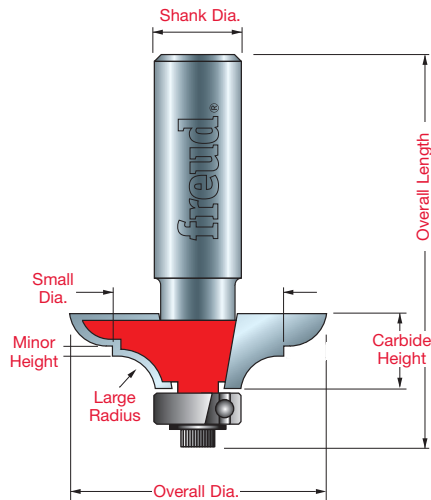
Creates rail and stile doors matched reverse profiles. 99-060 and 99-061 bits cope and stick cut the rails and stiles, and also can be used alone to form a matching edge profile. 99-062 cuts the panel slot and the back of the tongue on the coped piece.

MATERIALS

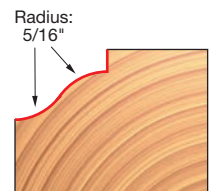
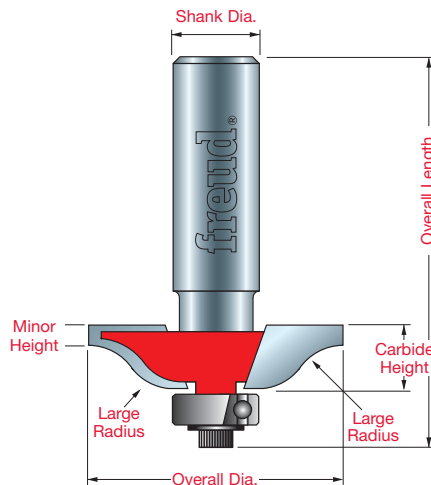


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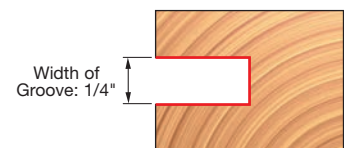
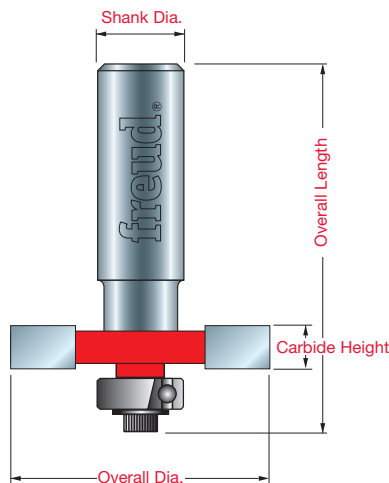
ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
99-060	1-1/2"	1"	7/16"	1/16"	7/32"	1/2"	2-1/4"
99-061	1-1/2"	-	3/8"	1/8"	5/16"	1/2"	2-1/4"
99-062	1-1/2"	-	1/4"	-	-	1/2"	2-1/8"



99-060



99-061



99-062

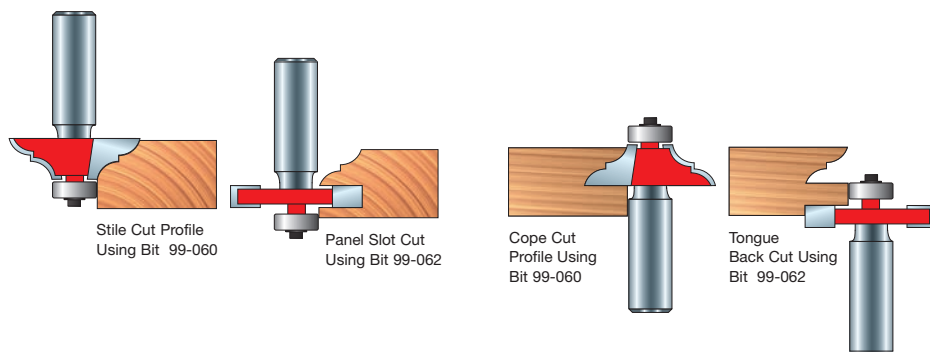
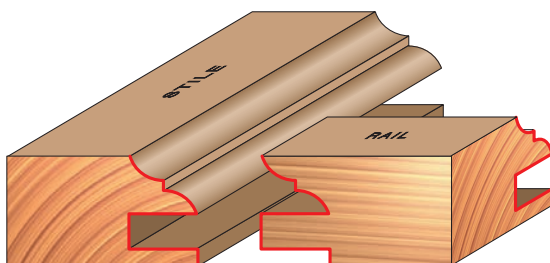
Rail & Stile Profile Bits



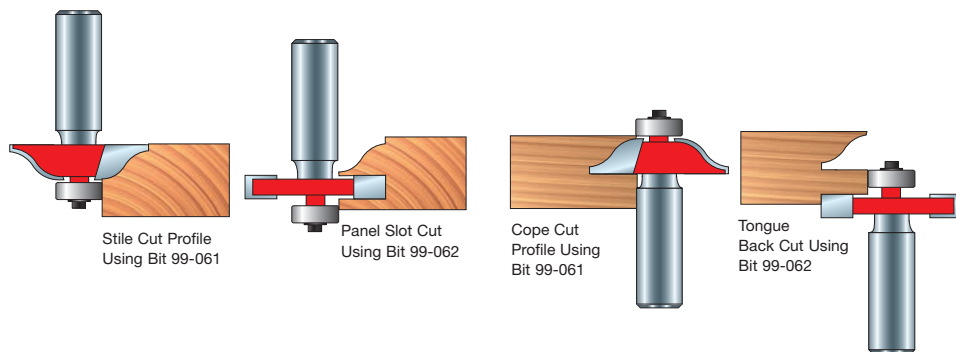
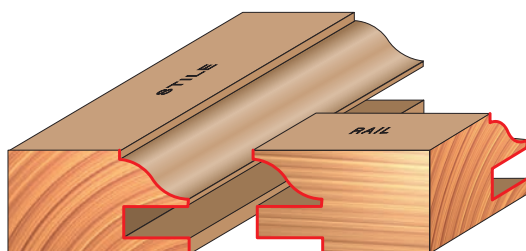
DOOR & WINDOW BITS

CONTINUED

99-060 & 99-062



99-061 & 99-062



USE IN



Table Router Hand Router

APPLICATION

Creates rail and stile doors matched reverse profiles. 99-060 and 99-061 bits cope and stick cut the rails and stiles, and also can be used alone to form a matching edge profile. 99-062 cuts the panel slot and the back of the tongue on the coped piece.

MATERIALS



ROUTER BITS

DOOR & WINDOW BITS



Premier Adjustable Rail & Stile Bit Sets

USE IN

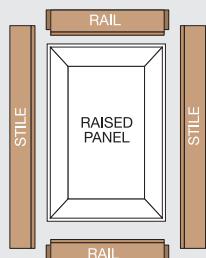


Table Router

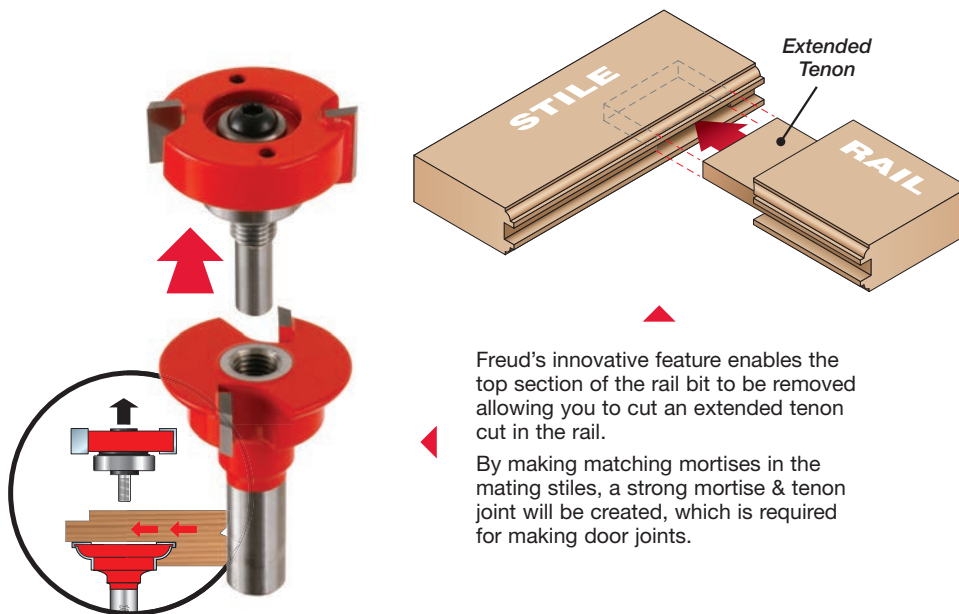
APPLICATION

Produces perfect fitting rail and stile doors from 5/8" to 1-1/4" stock. Create extended tenons for extra door joint strength (patented solution). Adjust groove width to suit different panel thicknesses for rattle free plywood panels or solid wood raised panels. Add an optional cutter to your bits to create glass panel or screen doors. Add multiple cutters to create double sided profiles in thicker stock material. Produce flawless raised panel doors when you combine these bits with one of Freud's Raised Panel Bits. Shims are included.

MATERIALS



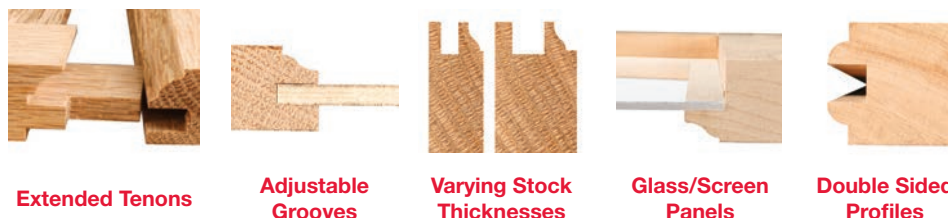
ITEM NUMBER	DESCRIPTION	OVERALL DIA.	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH	PAGE NUMBER
99-760	Round Over	1-11/16"	7/32"	1/2"	3-3/4"	214
99-761	Ogee	1-11/16"	13/64"	1/2"	3-3/4"	215
99-762	Shaker (Bevel)	1-11/16"	–	1/2"	3-3/4"	216
99-763	Round Over Bead	1-11/16"	9/32"	1/2"	3-5/8"	217
99-764	Bevel	1-11/16"	–	1/2"	3-3/4"	218
Optional Double Sided Profile Cutters						
99-860	Round Over	1-11/16"	7/32"	–	3-13/16"	214
99-861	Ogee	1-11/16"	13/64"	–	3-13/16"	215
99-862	Shaker (Bevel)	1-11/16"	–	–	3-13/16"	216
99-863	Round Over Bead	1-11/16"	9/32"	–	3-13/16"	217
99-864	Bevel	1-11/16"	–	–	3-13/16"	218
Optional Glass/Screen Panel Cutter						
54-760	Flush Cutter	1-11/16"	–	–	–	214



Freud's innovative feature enables the top section of the rail bit to be removed allowing you to cut an extended tenon cut in the rail.

By making matching mortises in the mating stiles, a strong mortise & tenon joint will be created, which is required for making door joints.

THIS SYSTEM OFFERS UNMATCHED VERSATILITY IN CABINET DOOR MAKING WITH



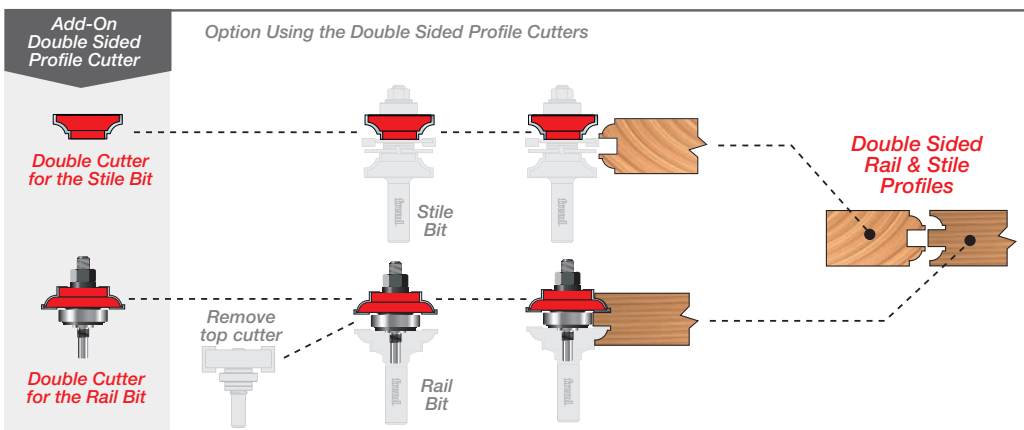
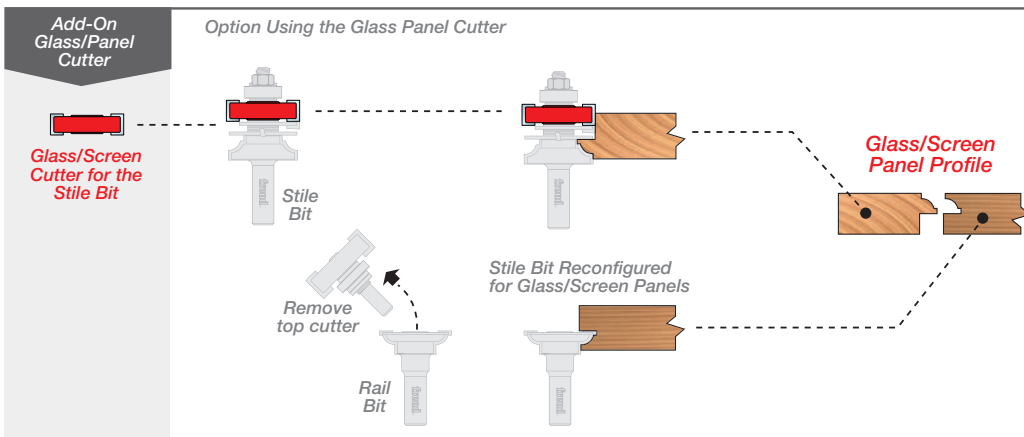
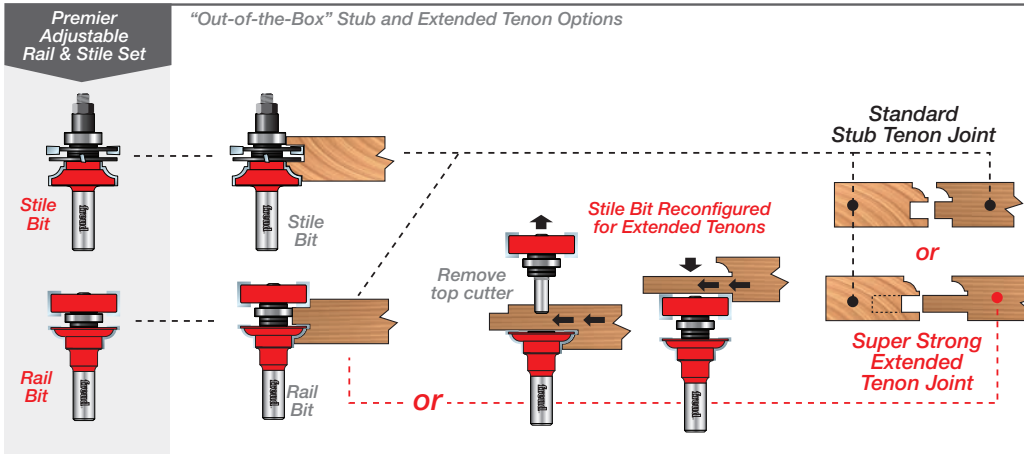
Premier Adjustable Rail & Stile Bit Sets



DOOR & WINDOW BITS

CONTINUED

Options



USE IN



APPLICATION

Produces perfect fitting rail and stile doors from 5/8" to 1-1/4" stock. Create extended tenons for extra door joint strength (patented solution). Adjust groove width to suit different panel thicknesses for rattle free plywood panels or solid wood raised panels. Add an optional cutter to your bits to create glass panel or screen doors. Add multiple cutters to create double sided profiles in thicker stock material. Produce flawless raised panel doors when you combine these bits with one of Freud's Raised Panel Bits. Shims are included.

MATERIALS



ROUTER BITS

DOOR & WINDOW BITS



Premier Adjustable Rail & Stile Bit Sets

CONTINUED

USE IN

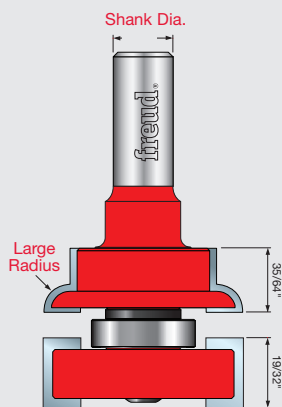
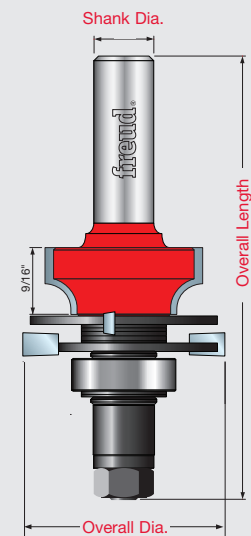


Table Router

APPLICATION

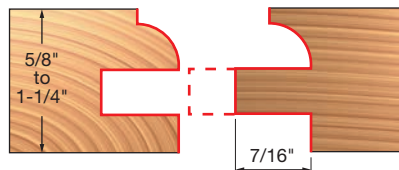
Produces perfect fitting rail and stile doors from 5/8" to 1-1/4" stock

MATERIALS



99-760

ROUND OVER

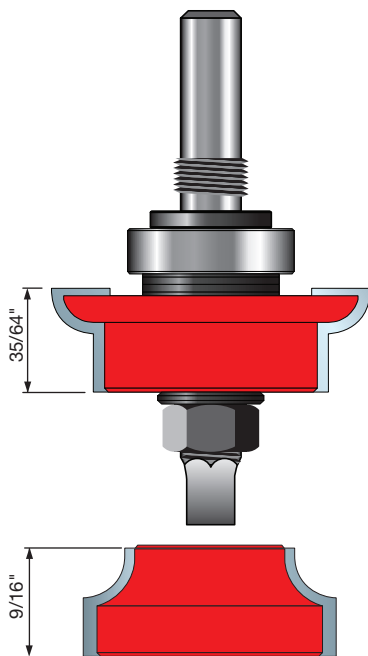


Stub & Extended Tenons

OPTIONAL CUTTER ADD-ONS

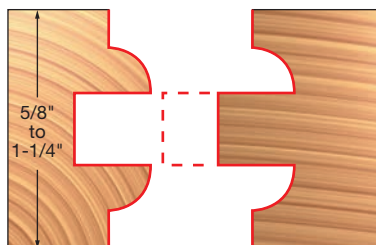
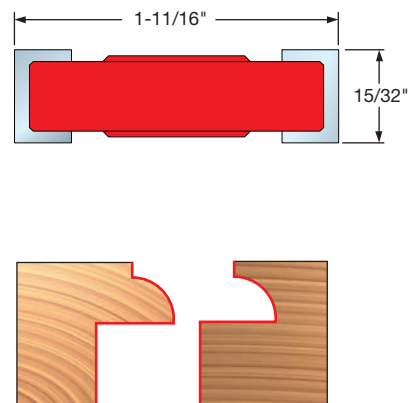
99-860

for creating double sided profiles



54-760

for creating glass/screen panel doors



Premier Adjustable Rail & Stile Bit Sets

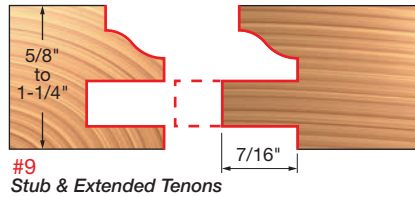


DOOR & WINDOW BITS

CONTINUED

99-761

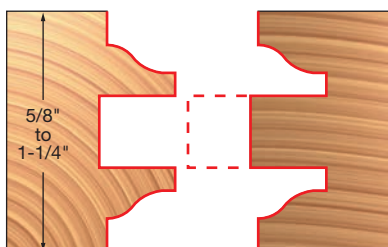
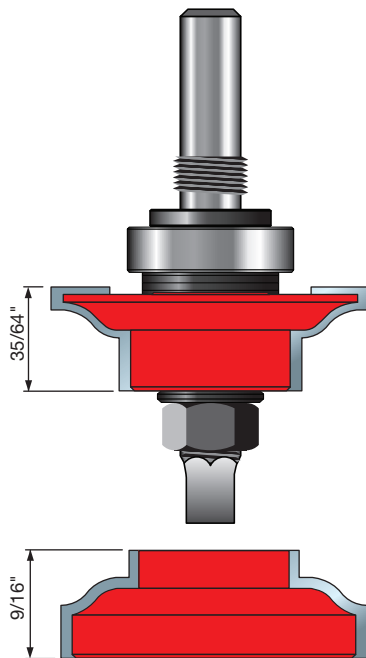
OGEE



OPTIONAL CUTTER ADD-ONS

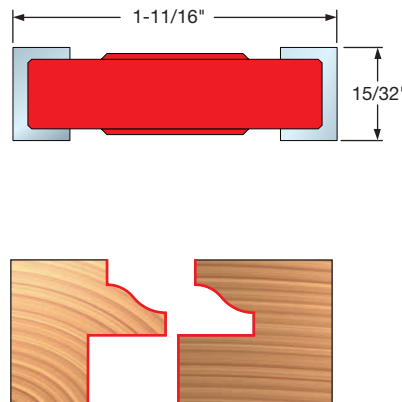
99-861

for creating
double sided profiles



54-760

for creating
glass/screen panel
doors



USE IN



Table Router

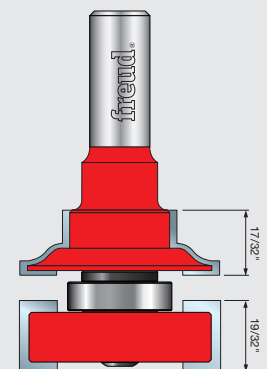
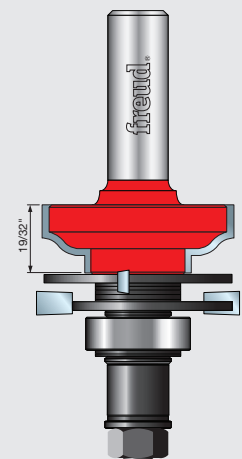
APPLICATION

Produces perfect fitting rail and stile doors from 5/8" to 1-1/4" stock

MATERIALS



ROUTER BITS



DOOR & WINDOW BITS



Premier Adjustable Rail & Stile Bit Sets

CONTINUED

USE IN



Table Router

APPLICATION

Produces perfect fitting rail and stile doors from 5/8" to 1-1/4" stock

MATERIALS



Hardwood



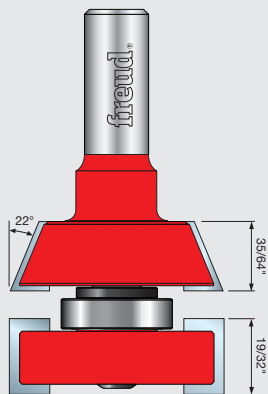
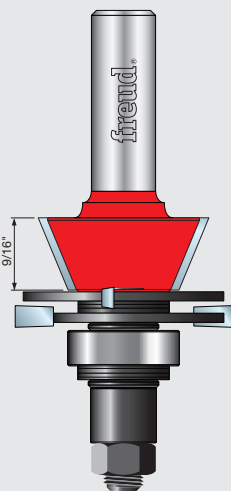
Softwood



MDF

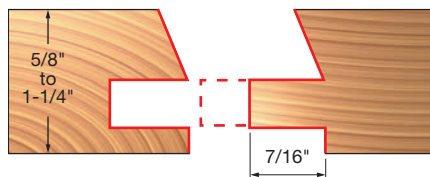


Plywood



99-762

SHAKER

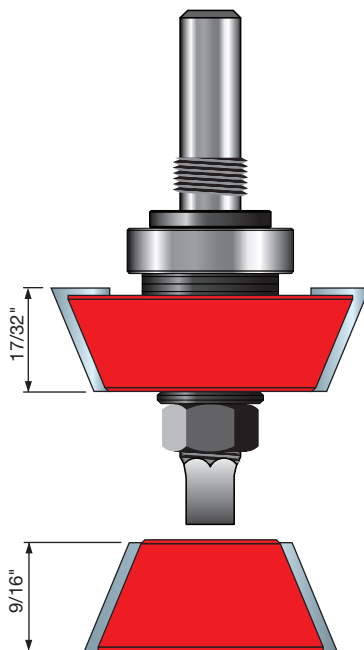


Stub & Extended Tenons

OPTIONAL CUTTER ADD-ONS

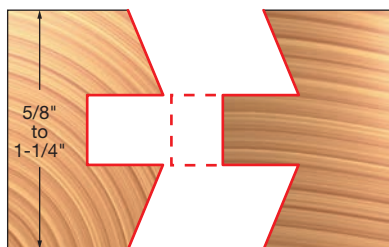
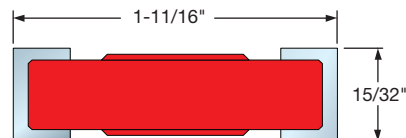
99-862

for creating double sided profiles



54-760

for creating glass/screen panel doors



Premier Adjustable Rail & Stile Bit Sets

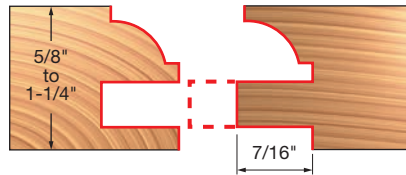


DOOR & WINDOW BITS

CONTINUED

99-763

ROUND OVER BEAD

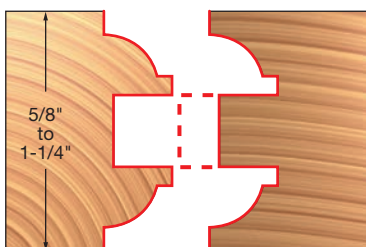
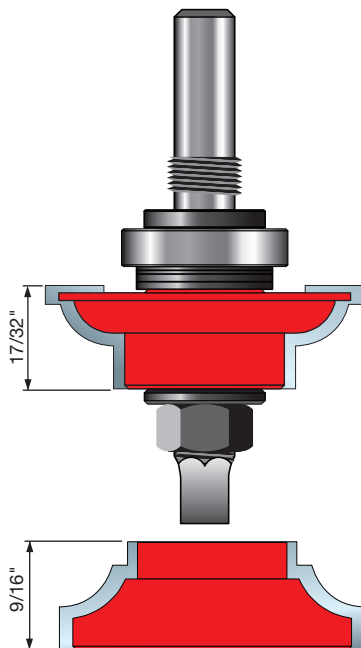


Stub & Extended Tenons

OPTIONAL CUTTER ADD-ONS

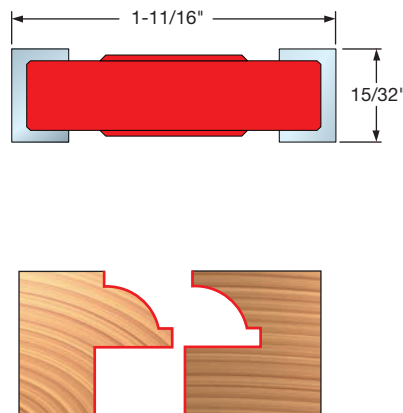
99-863

for creating
double sided profiles



54-760

for creating
glass/screen panel
doors



USE IN



Table Router

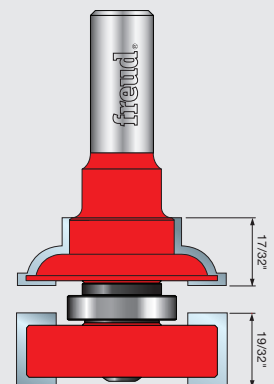
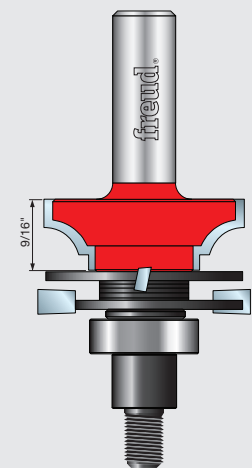
APPLICATION

Produces perfect fitting
rail and stile doors from
5/8" to 1-1/4" stock

MATERIALS



ROUTER BITS



DOOR & WINDOW BITS



Premier Adjustable Rail & Stile Bit Sets

CONTINUED

USE IN



Table Router

APPLICATION

Produces perfect fitting rail and stile doors from 5/8" to 1-1/4" stock

MATERIALS



Hardwood



Softwood

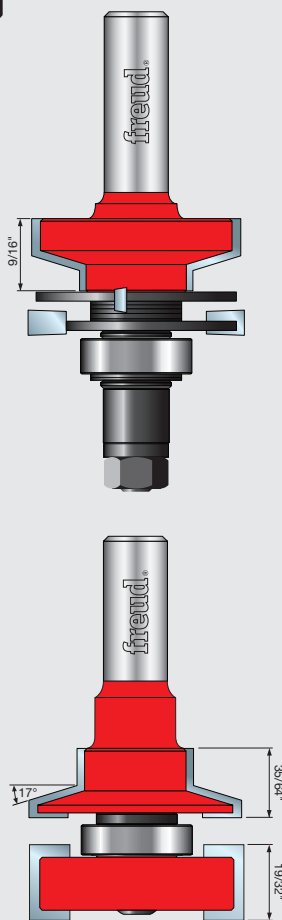


MDF



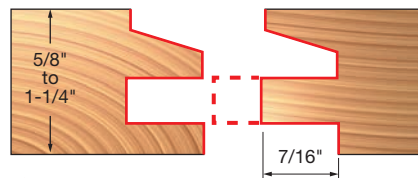
Plywood

ROUTER BITS



99-764

BEVEL

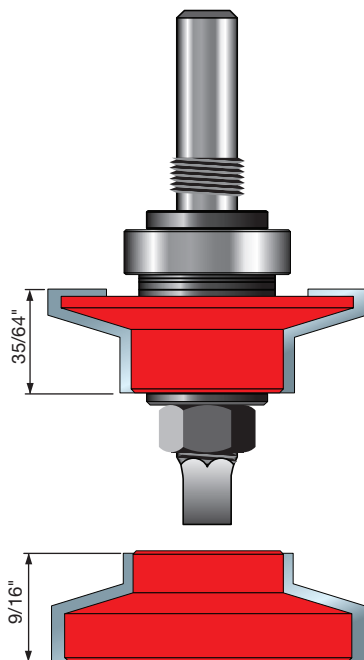


Stub & Extended Tenons

OPTIONAL CUTTER ADD-ONS

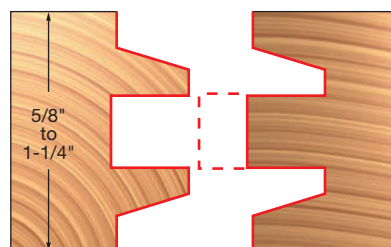
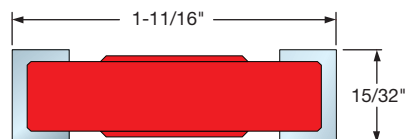
99-864

for creating double sided profiles



54-760

for creating glass/screen panel doors

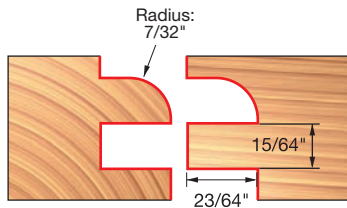
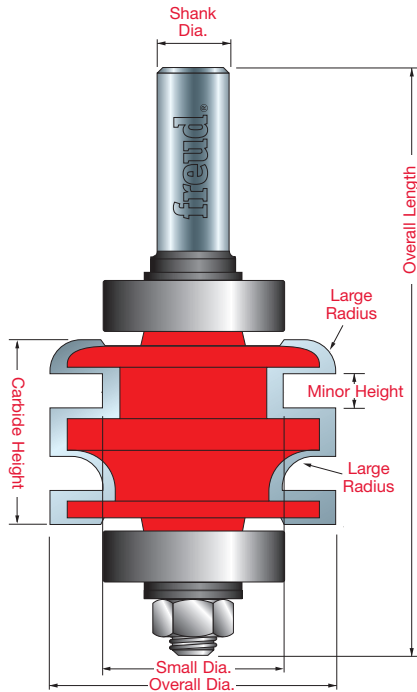


One-Piece Rail & Stile Bits



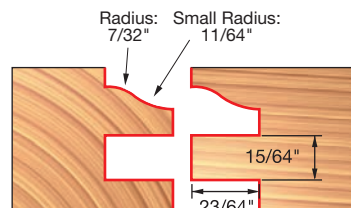
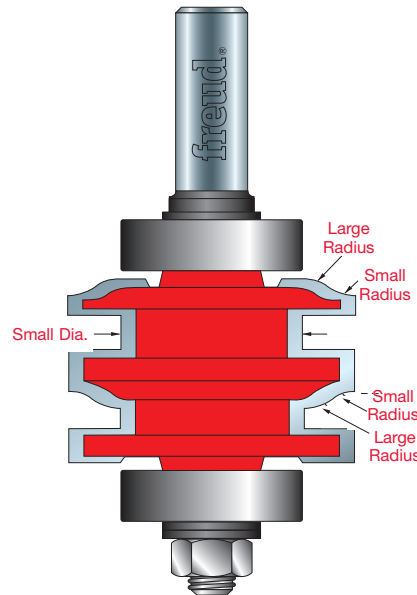
DOOR & WINDOW BITS

ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-290	2"	1-1/4"	1-9/32"	15/64"	7/32"	-	1/2"	4-3/32"
99-291	2"	1-1/4"	1-9/32"	15/64"	7/32"	11/64"	1/2"	4-3/32"
99-293	2"	1-1/4"	1-9/32"	15/64"	9/32"	-	1/2"	4-3/32"



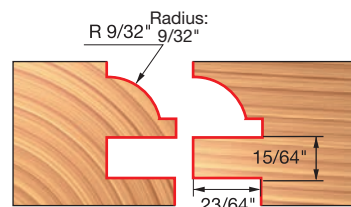
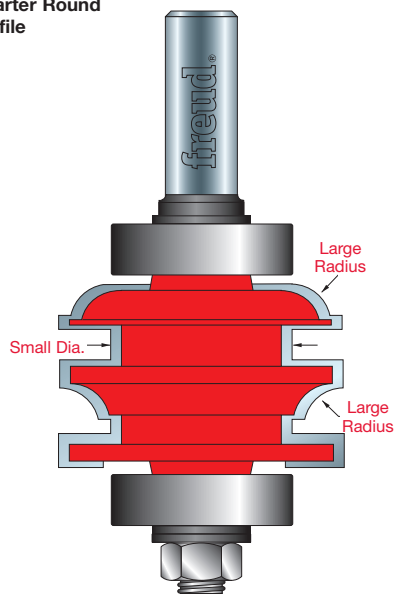
99-290

Quarter Round Profile



99-291

Ogee Profile



99-293

Classical Bead Profile.

USE IN

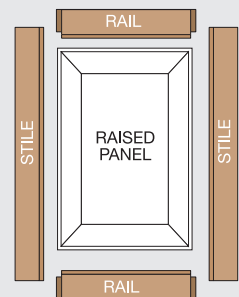


Table Router

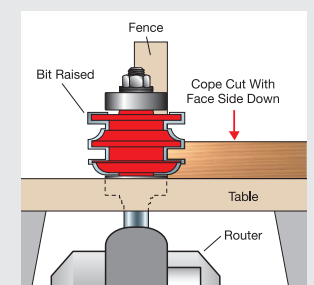
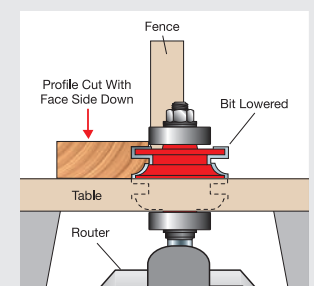
APPLICATION

An efficient method for creating beautiful cabinet doors without having to reconfigure or change cutters or fence settings. Cuts all frame members face down so variations in stock thickness are not a problem.

MATERIALS



SET UP



DOOR & WINDOW BITS



Entry & Interior Door Router Bit System

USE IN

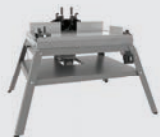
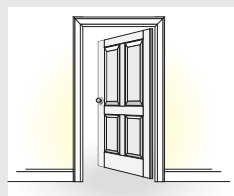
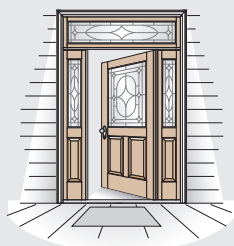


Table Router

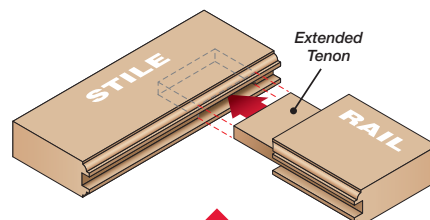
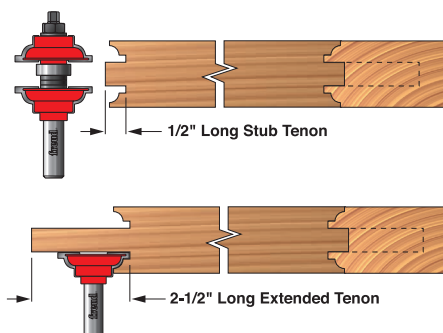
APPLICATION

Build entry and interior doors with true mortise and tenon construction for rock-solid joints that last a lifetime. Comes fully assembled to mill perfect 1-3/4" rail and stile joints for exterior doors. To mill 1-3/8" interior door joints, simply remove the spacers from each bit. To mill a tenon of virtually any length, the top cutter and bearing of the rail bit is simply unscrewed from the lower cutter and shank, without removing the bit from the router or changing the height of the cutter.

MATERIALS



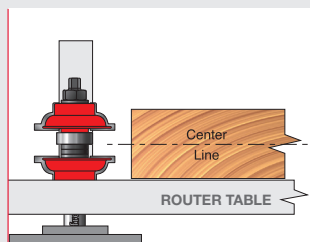
ITEM NUMBER	PROFILE	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
2 Piece Entry & Interior Door Bit Sets For 1-3/8" & 1-3/4" Stock						
99-267	Beading	1-7/8"	7/8"	1-7/8"	1/2"	4-1/8"
99-268	Ogee	1-7/8"	7/8"	1-7/8"	1/2"	4-1/8"
99-269	Cove & Bead	1-7/8"	7/8"	1-7/8"	1/2"	4-1/8"
2 Piece Entry & Interior Door Bit Set For 2" & 2-1/4" Thick Stock						
99-277	Beading	1-7/8"	7/8"	2-3/8"	1/2"	4-19/32"



Freud's innovative feature enables the top section of the rail bit to be removed allowing you to cut an extended tenon cut in the rail. By making matching mortises in the mating stiles, a strong mortise & tenon joint will be created, which is required for making entry and interior door joints.

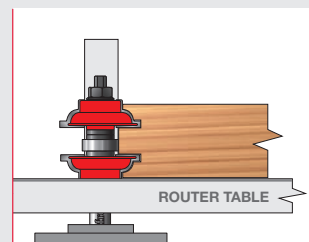
— STEPS TO CREATE RAIL & STILE JOINTS WITH EXTENDED TENONS —

1



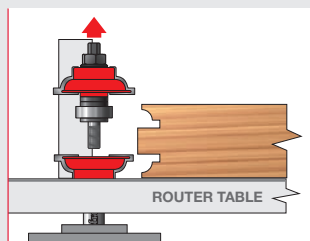
Install the rail bit and vertically center the bit with the stock.

2



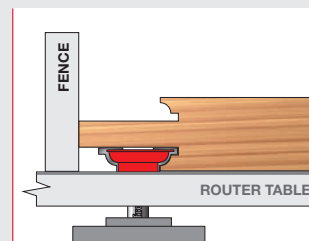
Rout the rail ends with stub tenons.

3



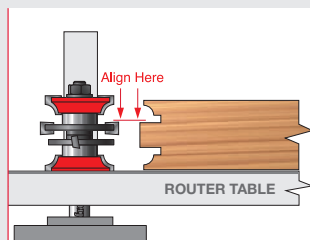
While leaving the rail bit in place, remove the top section of the router bit.

4



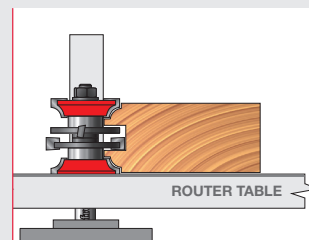
With the assistance of the fence, make several passes to create the extended tenon.

5



Install the stile cutter bit and align the top of the groove cutter to the top of the tongue of rail cut.

6



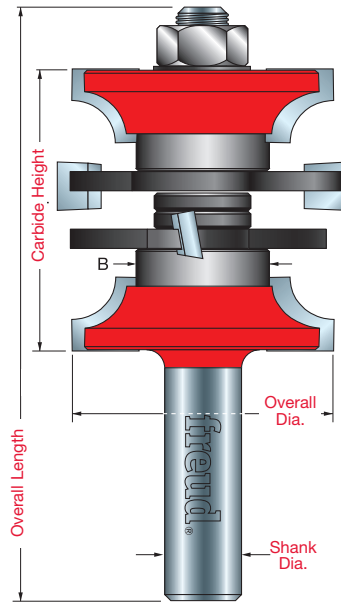
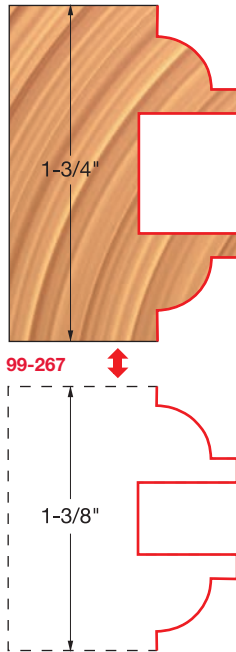
Using multiple passes, the stile cuts can now be made.

Entry & Interior Door Router Bit System



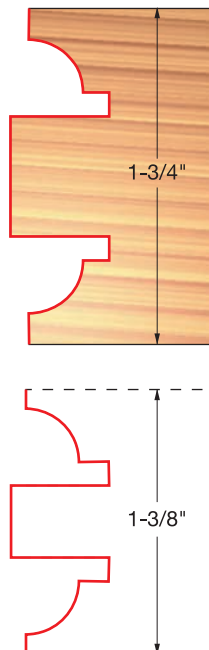
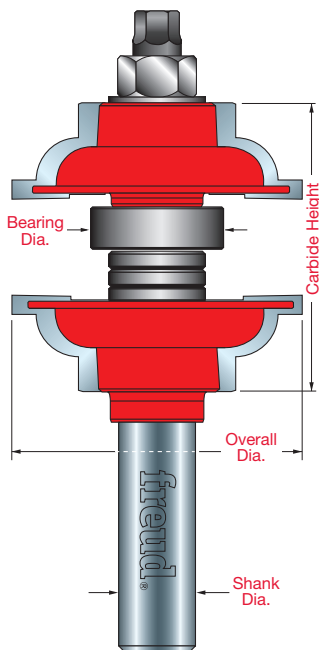
DOOR & WINDOW BITS

CONTINUED



99-267

BEADING



USE IN

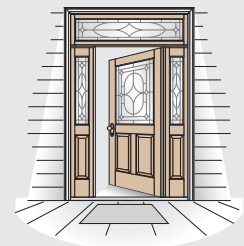


Table Router

APPLICATION

Build entry and interior doors with true mortise and tenon construction for rock-solid joints that last a lifetime. Comes fully assembled to mill perfect 1-3/4" rail and stile joints for exterior doors. To mill 1-3/8" interior door joints, simply remove the spacers from each bit. To mill a tenon of virtually any length: the top cutter and bearing of the rail bit is simply unscrewed from the lower cutter and shank, without removing the bit from the router or changing the height of the cutter.

MATERIALS



DOOR & WINDOW BITS



Entry & Interior Door Router Bit System

CONTINUED

USE IN

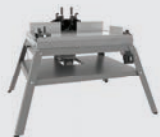


Table Router

APPLICATION

Build entry and interior doors with true mortise and tenon construction for rock-solid joints that last a lifetime. Comes fully assembled to mill perfect 1-3/4" rail and stile joints for exterior doors. To mill 1-3/8" interior door joints, simply remove the spacers from each bit. To mill a tenon of virtually any length: the top cutter and bearing of the rail bit is simply unscrewed from the lower cutter and shank, without removing the bit from the router or changing the height of the cutter.

MATERIALS

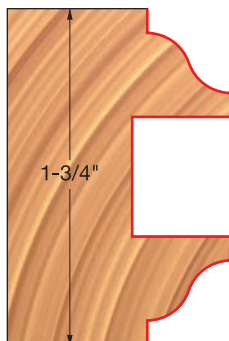
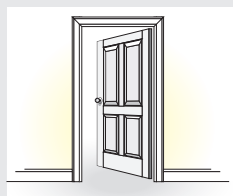


Hardwood

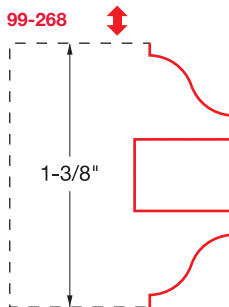
Softwood

MDF

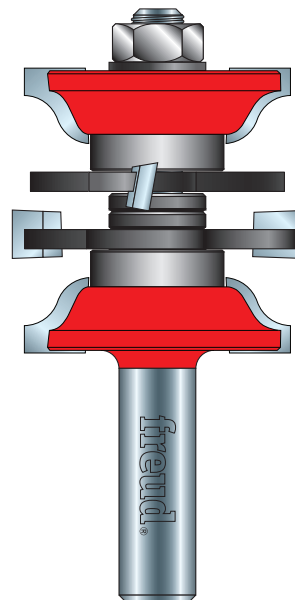
Plywood



1-3/4"

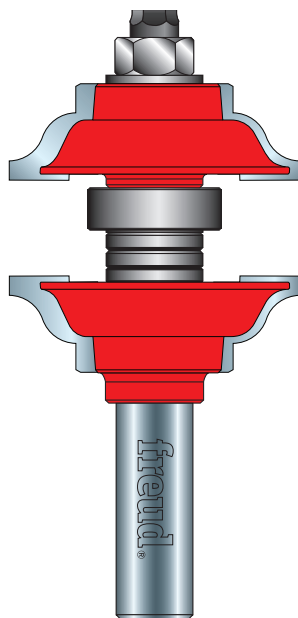


1-3/8"

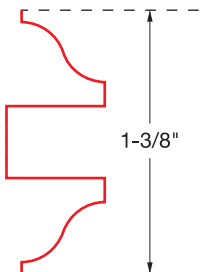


99-268

OGEE



1-3/4"



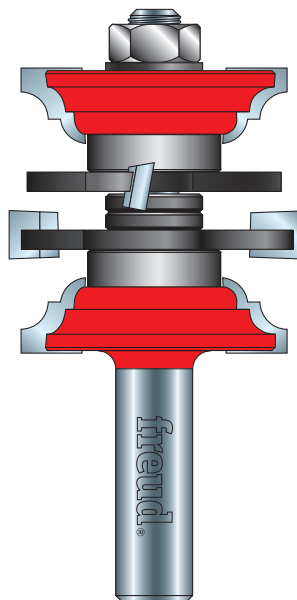
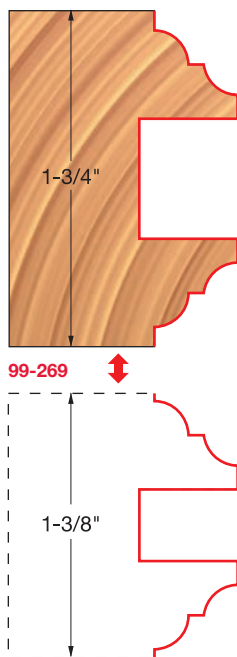
1-3/8"

Entry & Interior Door Router Bit System



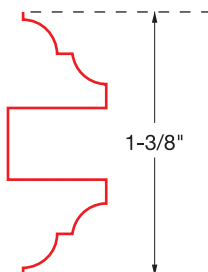
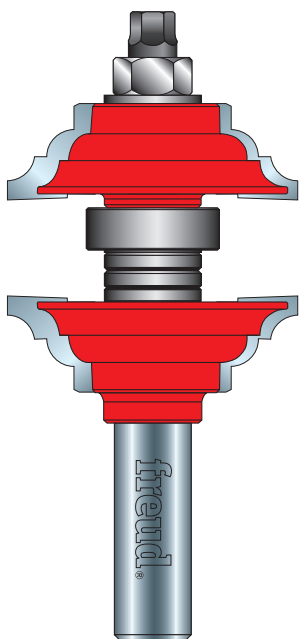
DOOR & WINDOW BITS

CONTINUED



99-269

COVE & BEAD



USE IN

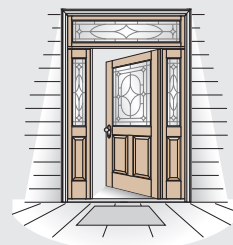


Table Router

APPLICATION

Build entry and interior doors with true mortise and tenon construction for rock-solid joints that last a lifetime. Comes fully assembled to mill perfect 1-3/4" rail and stile joints for exterior doors. To mill 1-3/8" interior door joints, simply remove the spacers from each bit. To mill a tenon of virtually any length: the top cutter and bearing of the rail bit is simply unscrewed from the lower cutter and shank, without removing the bit from the router or changing the height of the cutter.

MATERIALS



DOOR & WINDOW BITS



Entry & Interior Door Router Bit System

USE IN



Table Router

APPLICATION

Build entry and interior doors with true mortise and tenon construction for rock-solid joints that last a lifetime. Comes fully assembled to mill perfect 1-3/4" rail and stile joints for exterior doors. To mill 1-3/8" interior door joints, simply remove the spacers from each bit. To mill a tenon of virtually any length: the top cutter and bearing of the rail bit is simply unscrewed from the lower cutter and shank, without removing the bit from the router or changing the height of the cutter.

MATERIALS

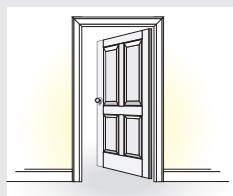
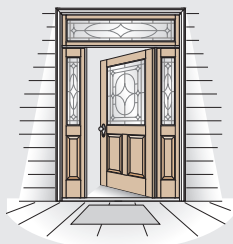


Hardwood

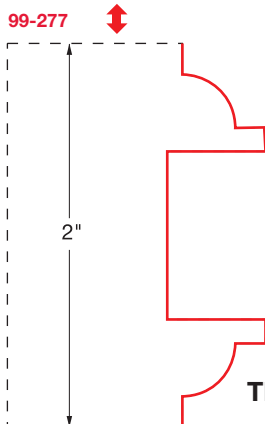
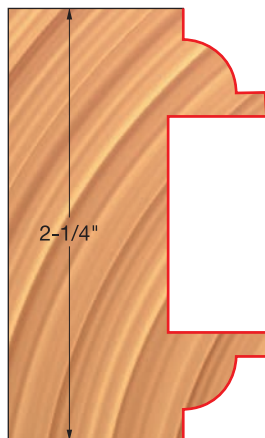
Softwood

MDF

Plywood



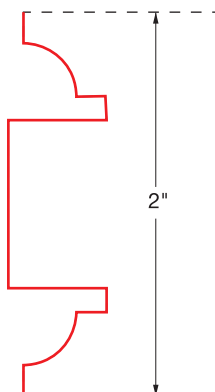
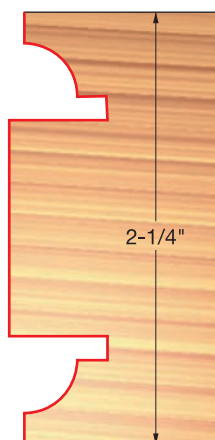
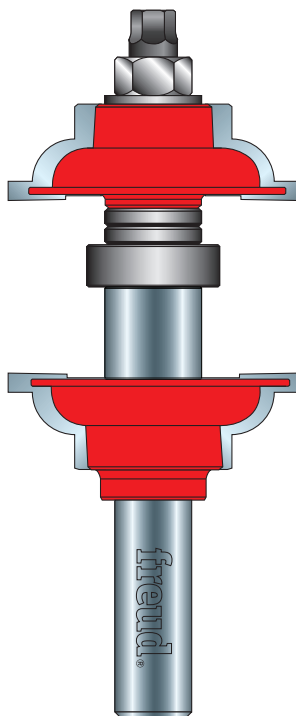
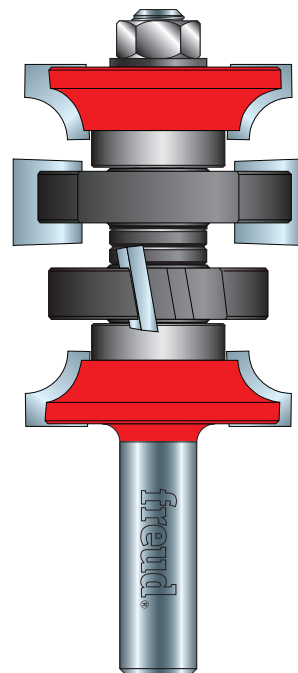
CONTINUED



99-277

99-277

THICK STOCK BEADING
UP TO 2-1/4" THICK



3-Piece French Door Bit Set

DOOR & WINDOW BITS

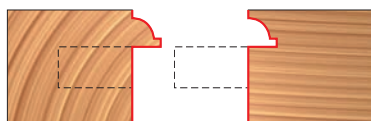
BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
Item Number 98-307					
Stile Bit, Roundover	99-367	1-7/8"	1-7/8"	1/2"	3-7/8"
Rail Bit, Roundover	99-367	1-7/8"	19/32"	1/2"	2-1/4"
Mortising Bit	16-120	22mm	1-1/2"	1/2"	3"
Item Number 98-308					
Stile Bit, Ogee	99-368	1-7/8"	1-7/8"	1/2"	3-7/8"
Rail Bit, Ogee	99-368	1-7/8"	19/32"	1/2"	2-1/4"
Mortising Bit	16-120	22mm	1-1/2"	1/2"	3"
Item Number 98-309					
Stile Bit, Cove & Bead	99-369	1-7/8"	1-7/8"	1/2"	3-7/8"
Rail Bit, Cove & Bead	99-369	1-7/8"	19/32"	1/2"	2-1/4"
Mortising Bit	16-120	22mm	1-1/2"	1/2"	3"



98-307

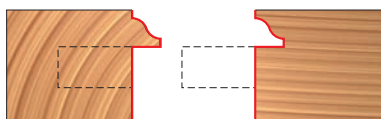


16-120
Mortising Bit



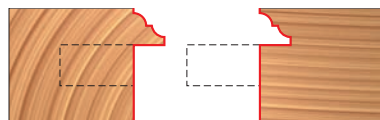
99-367
Rail Bit

99-367
Stile Bit



99-368
Rail Bit

99-368
Stile Bit



99-369
Rail Bit

99-369
Stile Bit

USE IN



Table Router

APPLICATION

Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal

MATERIALS



Hardwood



Softwood



MDF



Plywood

ROUTER BITS

DOOR & WINDOW BITS



5-Piece French Door Bit Set

USE IN



Table Router

APPLICATION

Create custom Full Lite, Simulated Divided Lite and True Divided Lite French Doors in any size, and with any wood species you choose. Unique design allows woodworkers to produce tenons of any length for extra-strong joints. Perfectly matched bits are designed to produce 1-3/4" thick exterior or 1-3/8" interior doors. Sets are offered in Roundover, Ogee, and Cove & Bead profiles. Perfect for milling fine hardwoods and softwoods, and also produces an excellent cut in other materials. Includes an instructional informative poster.

MATERIALS



Hardwood

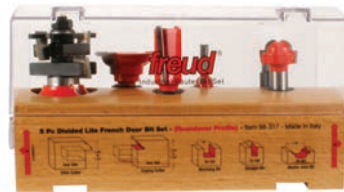
Softwood

MDF

Plywood



BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
Item Number 98-317					
Stile Bit, Roundover	99-367	1-7/8"	1-7/8"	1/2"	3-7/8"
Rail Bit, Roundover	99-367	1-7/8"	19/32"	1/2"	2-1/4"
Mortising Bit	16-120	22mm	1-1/2"	1/2"	3"
Intersection Bit, Roundover	39-367	1-1/8"	5/8"	1/2"	2-1/2"
Straight Bit	12-100	1/4"	3/4"	1/2"	2-3/8"
Item Number 98-318					
Stile Bit, Ogee	99-368	1-7/8"	1-7/8"	1/2"	3-7/8"
Rail Bit, Ogee	99-368	1-7/8"	19/32"	1/2"	2-1/4"
Mortising Bit	16-120	22mm	1-1/2"	1/2"	3"
Intersection Bit, Ogee	39-368	1-1/8"	5/8"	1/2"	2-1/2"
Straight Bit	12-100	1/4"	3/4"	1/2"	2-3/8"
Item Number 98-319					
Stile Bit, Cove & Bead	99-369	1-7/8"	1-7/8"	1/2"	3-7/8"
Rail Bit, Cove & Bead	99-369	1-7/8"	19/32"	1/2"	2-1/4"
Mortising Bit	16-120	22mm	1-1/2"	1/2"	3"
Intersection Bit, Cove & Bead	39-369	1-1/8"	5/8"	1/2"	2-1/2"
Straight Bit	12-100	1/4"	3/4"	1/2"	2-3/8"



98-317



16-120
Mortising Bit



12-120
Straight Bit



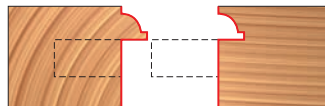
39-367
Muntin Joint Bit



39-368
Muntin Joint Bit



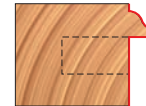
39-369
Muntin Joint Bit



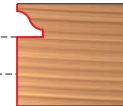
99-367
Rail Bit



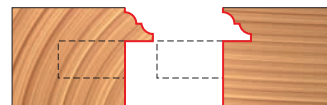
99-367
Stile Bit



99-368
Rail Bit



99-368
Stile Bit



99-369
Rail Bit



99-369
Stile Bit

2-Piece French Door Grill Set



DOOR & WINDOW BITS

BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
Item Number 98-327					
Intersection Bit, Roundover	39-367	1-1/8"	5/8"	1/2"	2-1/2"
Straight Bit	12-100	1/4"	3/4"	1/2"	2-3/8"
Item Number 98-328					
Intersection Bit, Ogee	39-368	1-1/8"	5/8"	1/2"	2-1/2"
Straight Bit	12-100	1/4"	3/4"	1/2"	2-3/8"
Item Number 98-329					
Intersection Bit, Cove & Bead	39-369	1-1/8"	5/8"	1/2"	2-1/2"
Straight Bit	12-100	1/4"	3/4"	1/2"	2-3/8"



12-100
Straight Bit



39-367
Muntin Joint Bit



39-368
Muntin Joint Bit



39-369
Muntin Joint Bit



98-327

USE IN



Table Router

APPLICATION

Create perfect joints in grills for simulated divided lite door construction. Bits match the profiles of French Door bit sets.

MATERIALS



Hardwood



Softwood



MDF



Plywood

ROUTER BITS

DOOR & WINDOW BITS



French Provincial Raised Panel Bit

USE IN



Table Router

CNC

APPLICATION

Ideal for making decorative grooves in panels, tops and plaques. Produces raised panels used in doors and paneling from 3/4" stock. Adjust the length of the tongue by using a fence.

MATERIALS



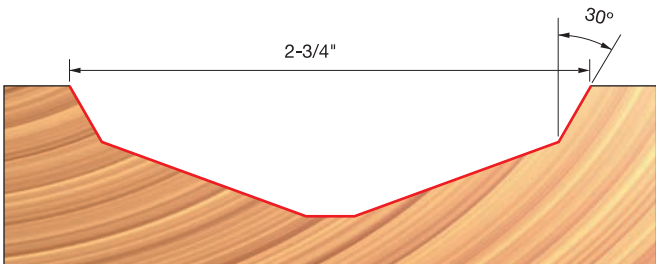
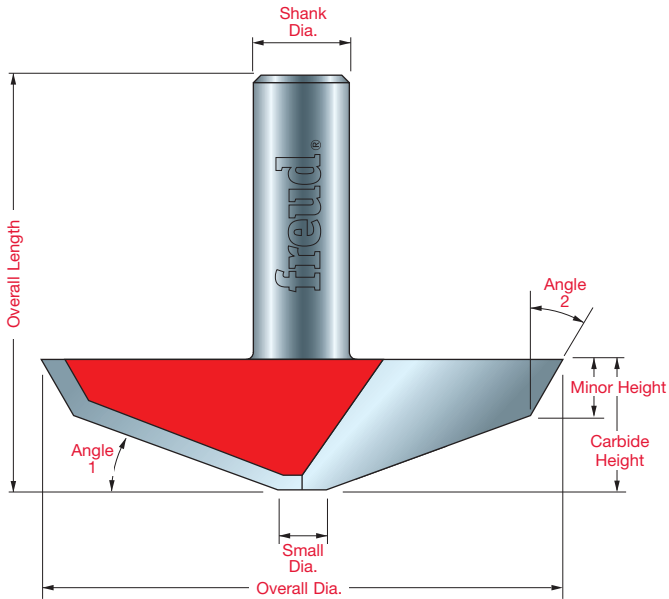
Hardwood

Softwood

MDF

Plywood

ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	ANGLE 1	ANGLE 2	SHANK DIA.	OVERALL LENGTH
99-214	2-3/4"	1/4"	11/16"	19/64"	20°	30°	1/2"	2-3/16"



99-214

Matched Rail & Stile Mini Profile Bit Sets

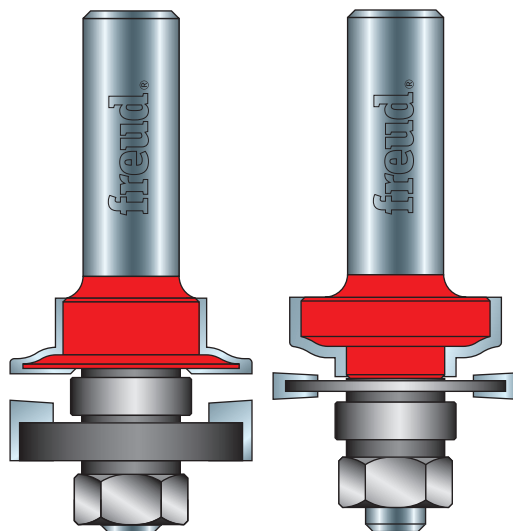


DOOR & WINDOW BITS

ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
99-266	1-9/32"	25/32"	13/16"	—	—	1/2"	2-11/16"



99-266



USE IN



Table Router

APPLICATION

Produces perfect fitting rail and stile doors from 3/4" stock. Produce flawless raised panel doors when you combine these bits with one of Freud's Raised Panel Bits. Shims are included to ensure a perfect fit.

MATERIALS



Hardwood



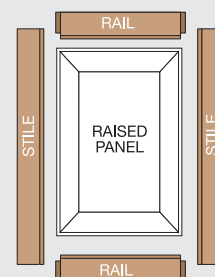
Softwood



MDF



Plywood



ROUTER BITS

DOOR & WINDOW BITS

Quadra-Cut™ Raised Panel Bits

USE IN



Table Router



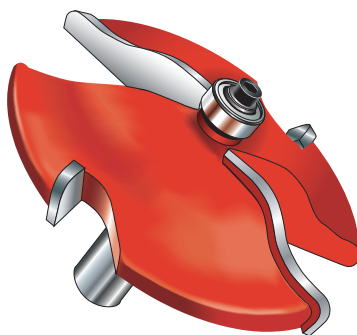
APPLICATION

Ideal for creating raised panels for doors and paneling, as well as decorative tops, plaques and molding. Revolutionary design combines two small wings that cut downward to shear the top edge for a splinter-free surface, and two large wings that shear upward for a smooth finish.

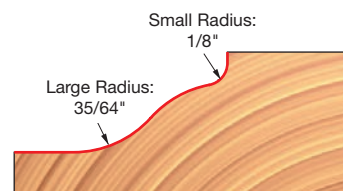
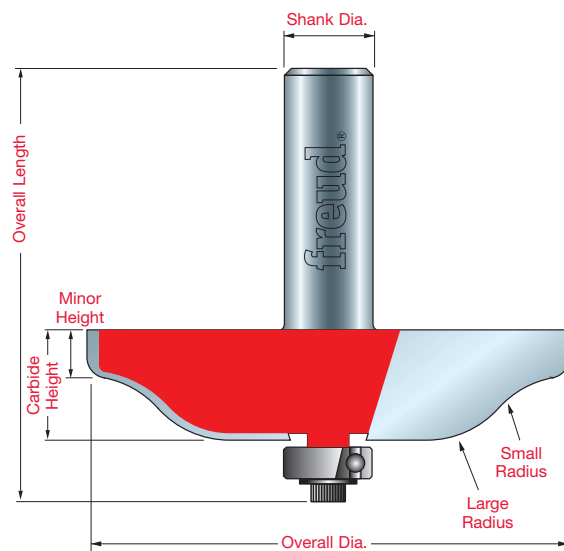
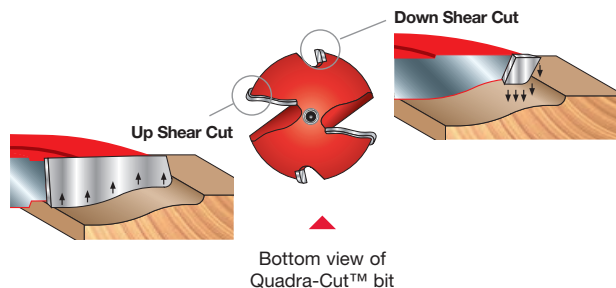
MATERIALS



ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-510	2-3/4"	—	5/8"	7/32"	35/64"	1/8"	1/2"	2-1/2"
99-511	2-3/4"	1-1/8"	5/8"	15/64"	—	—	1/2"	2-1/2"
99-512	2-3/4"	1-1/4"	5/8"	17/64"	13/64"	—	1/2"	2-1/2"
99-513*	2-3/4"	—	5/8"	15/64"	7/16"	—	1/2"	2-1/2"
99-515	3-1/2"	1-1/4"	5/8"	5/32"	—	—	1/2"	2-1/2"
99-516	3-1/2"	1-1/4"	1/2"	5/32"	—	—	1/2"	2-1/2"
99-518	3-1/2"	—	5/8"	5/64"	1-1/2"	—	1/2"	2-1/2"
99-519	3-1/2"	—	1/2"	5/64"	1-1/2"	—	1/2"	2-1/2"
99-520	3-1/2"	—	5/8"	7/32"	25/32"	5/32"	1/2"	2-1/2"
99-521	3-1/2"	—	1/2"	—	1-3/16"	5/32"	1/2"	2-1/2"
99-522	3-1/2"	1-1/4"	5/8"	—	15/64"	—	1/2"	2-1/2"
99-523	3-1/2"	1-1/4"	1/2"	—	5/32"	—	1/2"	2-1/2"



FREUD'S QUADRA-CUT™ 4 CUTTER DESIGN



99-510



* Angle=110°

U.S. Patent No. 5,899,252

Red Item Numbers Indicate 1/2" Shank

Drawings are not to scale

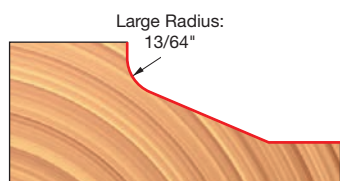
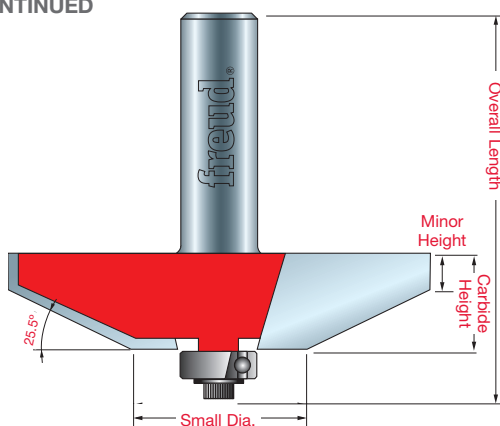
Quadra-Cut™ Raised Panel Bits

DOOR & WINDOW BITS

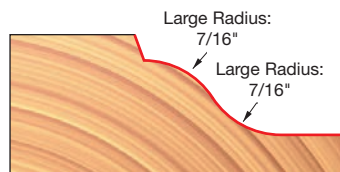
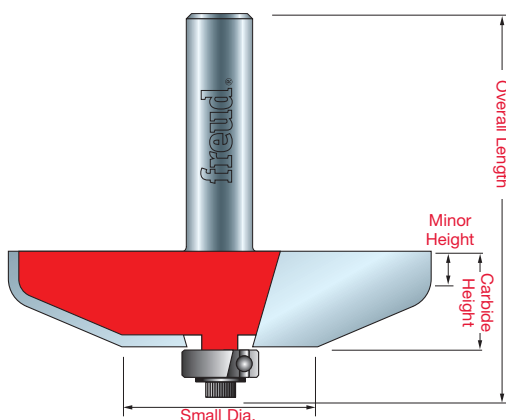
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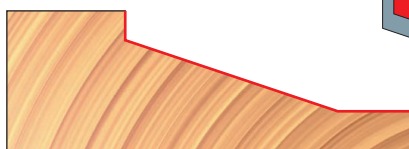
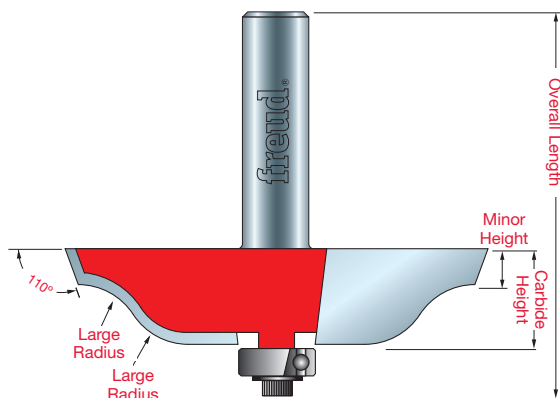
99-511



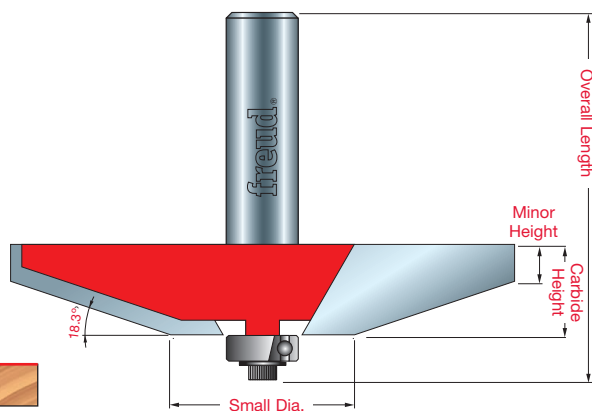
99-512



99-513



99-515



USE IN



Table Router

APPLICATION

Ideal for creating raised panels for doors and paneling, as well as decorative tops, plaques and molding. Revolutionary design combines two small wings that cut downward to shear the top edge for a splinter-free surface, and two large wings that shear upward for a smooth finish.

MATERIALS



Hardwood



Softwood



MDF



Plywood

ROUTER BITS

DOOR & WINDOW BITS

Quadra-Cut™ Raised Panel Bits

USE IN



Table Router

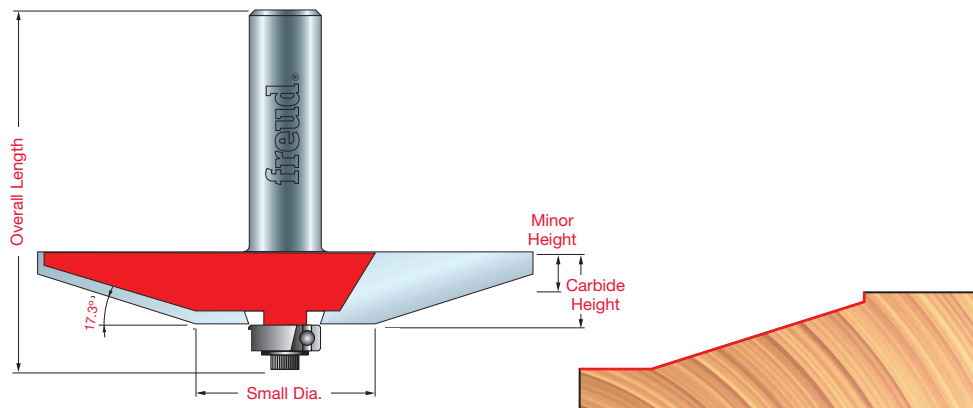
APPLICATION

Ideal for creating raised panels for doors and paneling, as well as decorative tops, plaques and molding. Revolutionary design combines two small wings that cut downward to shear the top edge for a splinter-free surface, and two large wings that shear upward for a smooth finish.

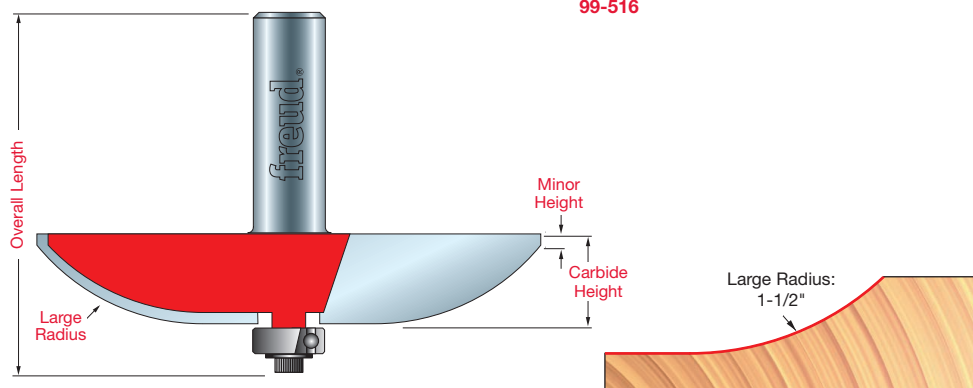
MATERIALS



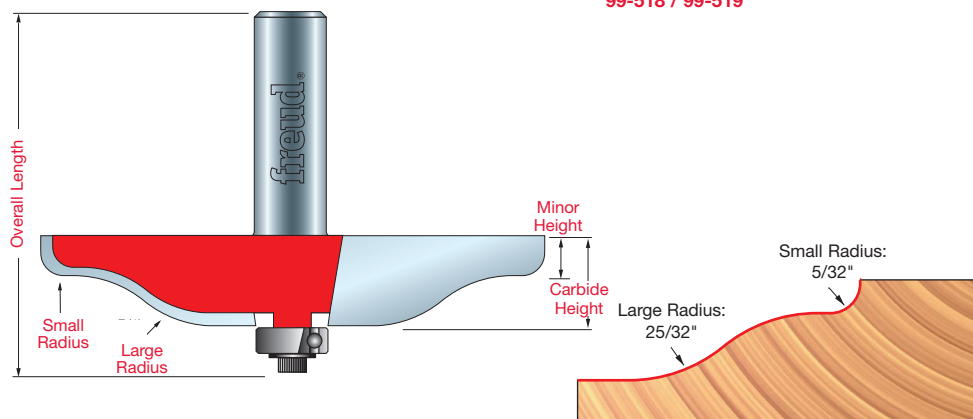
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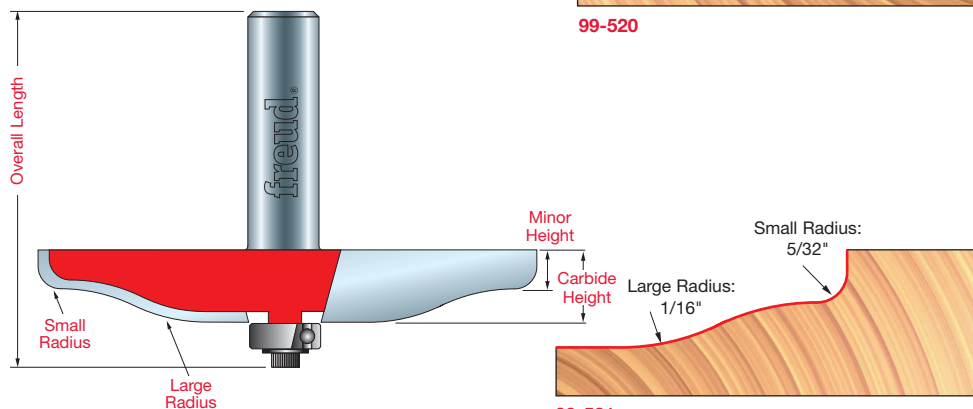
99-516



99-518 / 99-519



99-520



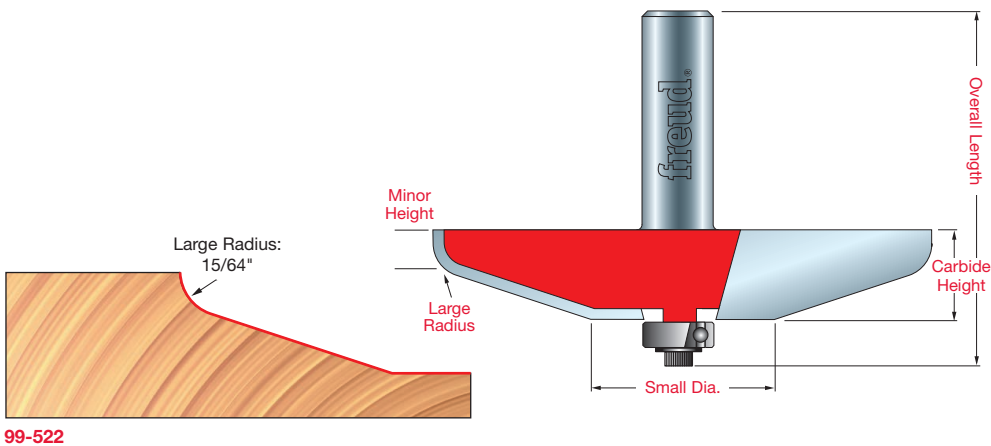
99-521

Quadra-Cut™ Raised Panel Bits

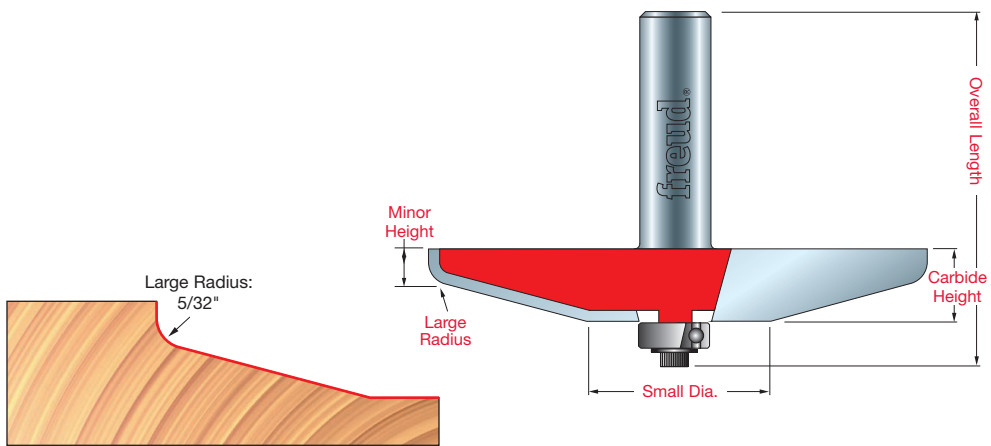


DOOR & WINDOW BITS

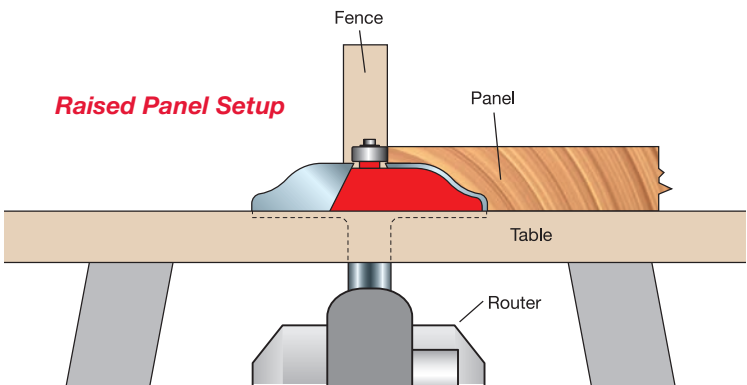
CONTINUED



99-522



99-523



USE IN



Table Router

APPLICATION

Ideal for creating raised panels for doors and paneling, as well as decorative tops, plaques and molding. Revolutionary design combines two small wings that cut downward to shear the top edge for a splinter-free surface, and two large wings that shear upward for a smooth finish.

MATERIALS



Hardwood

Softwood

MDF

Plywood

ROUTER BITS

DOOR & WINDOW BITS



Quadra-Cut™ Raised Panel Bits with Backcutters

USE IN



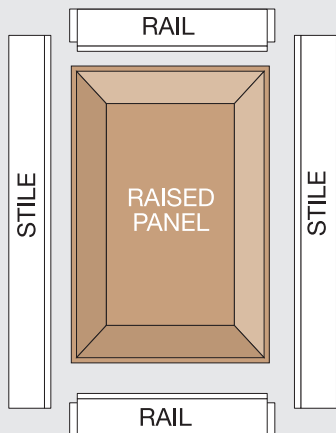
Table Router



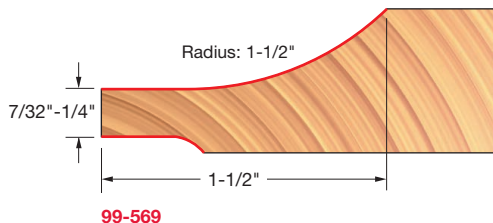
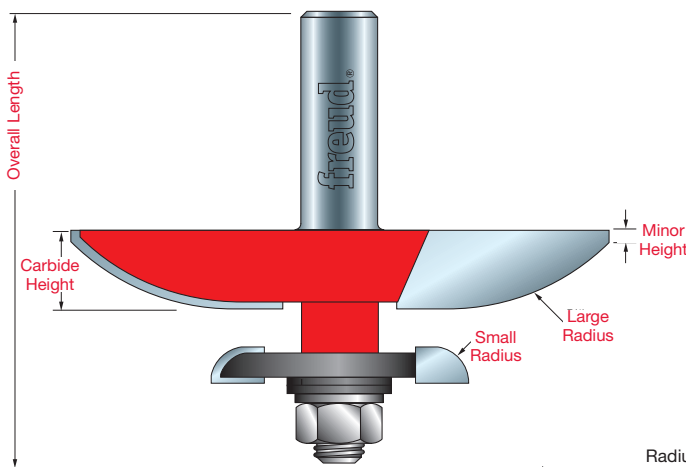
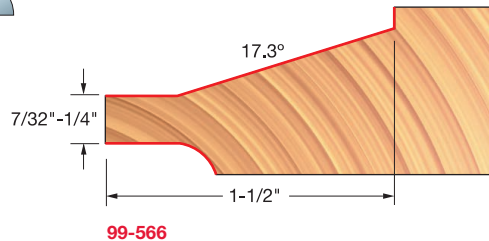
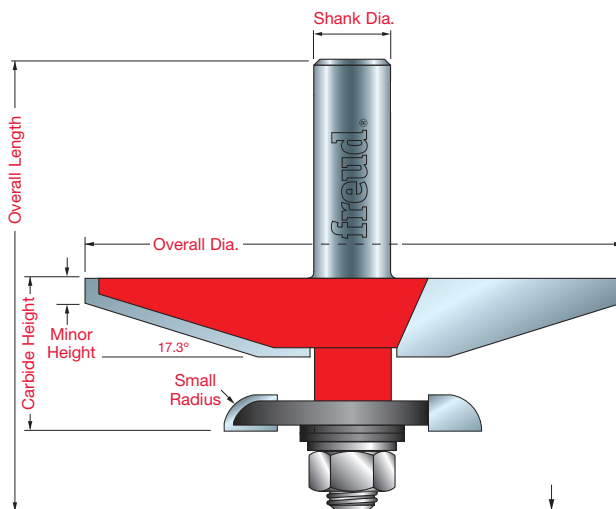
APPLICATION

Producing panels from 3/4" stock that are flush with the doorframe for a professional, architecturally correct appearance. Exclusive design combines a backcutter with the smooth cuts of Freud's Quadra-Cut™ Raised Panel Bits. Shims are included to allow adjustment of tongue thickness from 7/32" to 1/4" for maximum versatility and compatibility. Patented design allows these bits to produce a full 1-1/2" wide reveal for traditional raised panel doors. Included 54-562 radius backcutter gives double-sided appearance and can be replaced with optional 54-560 square backcutter for a more contemporary look.

MATERIALS



ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-566	3-1/2"	1"	5/32"	—	3/16"	1/2"	3"
99-569	3-1/2"	1"	5/32"	1-1/2"	3/16"	1/2"	3"
99-571	3-1/2"	1"	—	1-3/16"	5/32"	1/2"	3"
Optional Replacement Backcutters							
54-560	1-7/16"	15/64"	—	—	—	—	—
54-562	1-13/16"	15/64"	—	—	3/16"	—	—
Mini Quadra-Cut Raised Panel Bit							
99-500	2-19/32"	7/8"	—	3/4"	7/64"	1/2"	2-51/64"



Quadra-Cut Design
U.S. Patent No. 5,899,252
U.S. Patent No. 6,354,347

Red Item Numbers Indicate 1/2" Shank

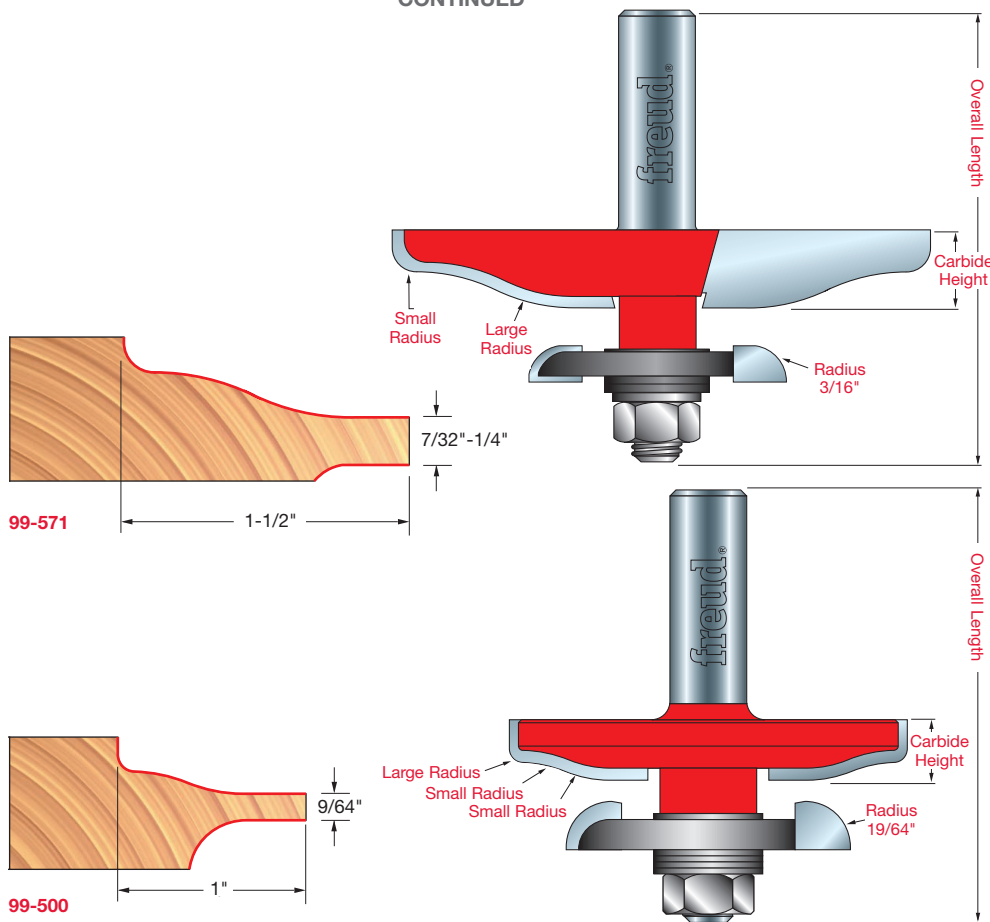
All Profile Drawings 1:1 Scale

Quadra-Cut™ Raised Panel Bits with Backcutters

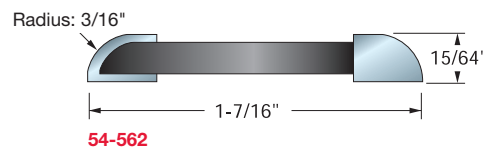
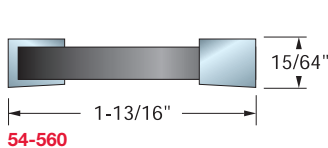


DOOR & WINDOW BITS

CONTINUED



Replacement Backcutters



USE IN



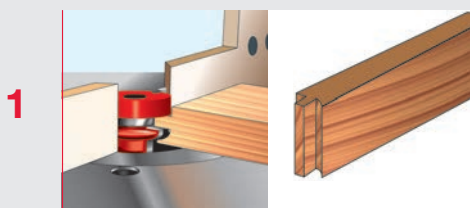
APPLICATION

Producing panels from 3/4" stock that are flush with the doorframe for a professional, architecturally correct appearance. Exclusive design combines a backcutter with the smooth cuts of Freud's Quadra-Cut™ Raised Panel Bits. Shims are included to allow adjustment of tongue thickness from 7/32" to 1/4" for maximum versatility and compatibility. Patented design allows these bits to produce a full 1-1/2" wide reveal for traditional raised panel doors. Included 54-562 radius backcutter gives double-sided appearance and can be replaced with optional 54-560 square backcutter for a more contemporary look.

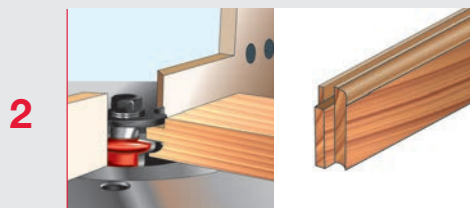
MATERIALS



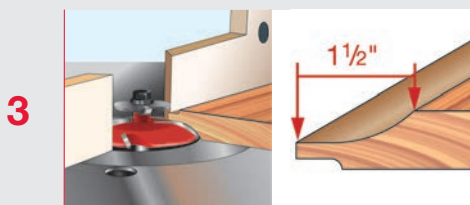
STEPS TO BUILDING A PERFECT PANEL DOOR



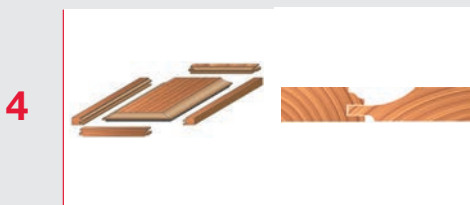
1 Cut rail ends.
Bit shown is from Freud set #99-760.



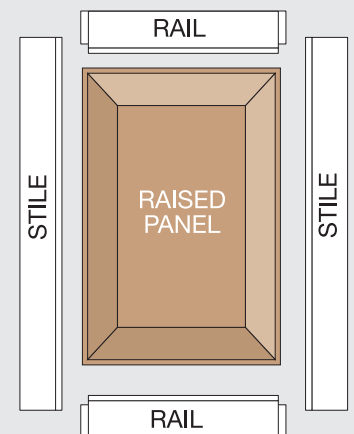
2 Rout stiles & rails.
Bit shown is from Freud set #99-760.



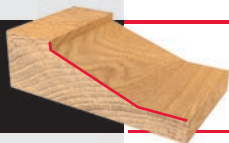
3 In one step, cut door panel profile and back cut.
Quadra-Cut™ Raised Panel Bit shown is the #99-569.



4 Assemble stiles, rails and door panel.



DOOR & WINDOW BITS



Vertical Raised Panel Bits

USE IN



Table Router

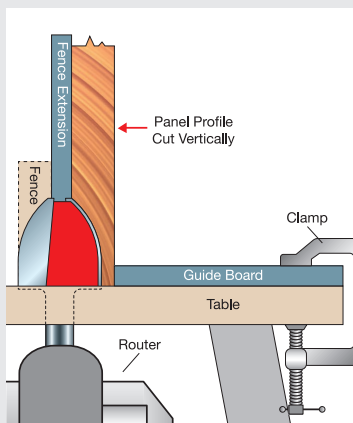
APPLICATION

Creates full sized raised panels by feeding 3/4" stock vertically. Small overall diameter makes these bits ideal for lower horsepower routers and single speed routers.

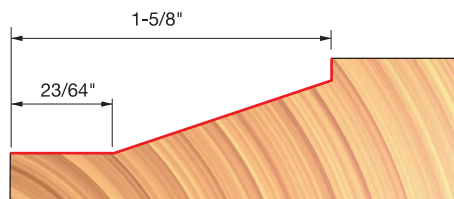
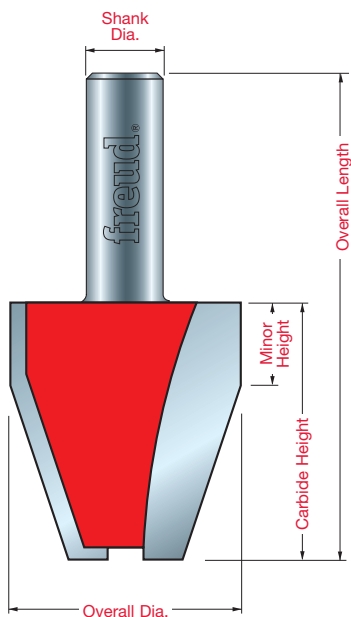
MATERIALS



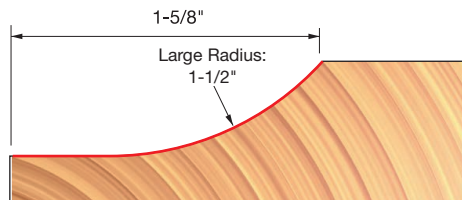
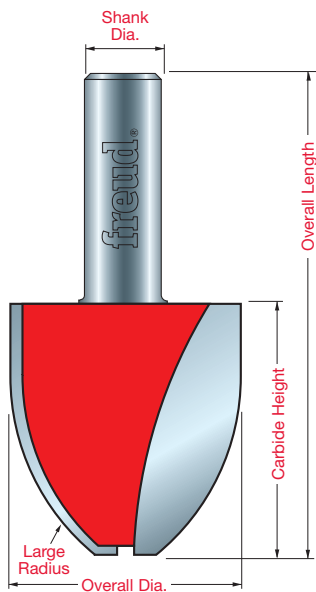
SET UP



ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-315	1-1/2"	1-5/8"	23/64"	—	—	1/2"	3-3/16"
99-318	1-1/2"	1-5/8"	—	1-1/2"	—	1/2"	3-3/16"
99-320	1-1/2"	1-5/8"	—	25/32"	5/32"	1/2"	3-3/16"
99-322	1-1/2"	1-5/8"	23/64"	3/8"	—	1/2"	3-3/16"

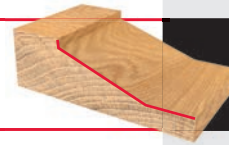


99-315



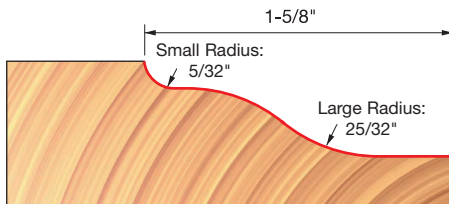
99-318

Vertical Raised Panel Bits

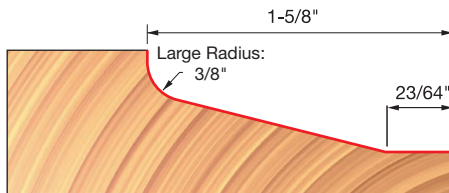
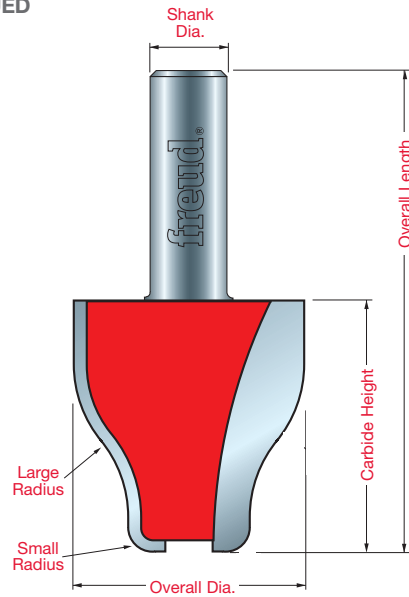


DOOR & WINDOW BITS

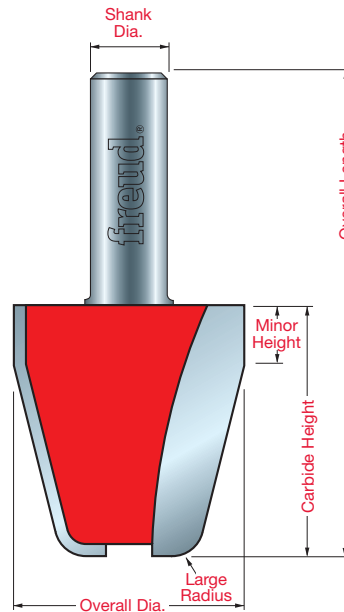
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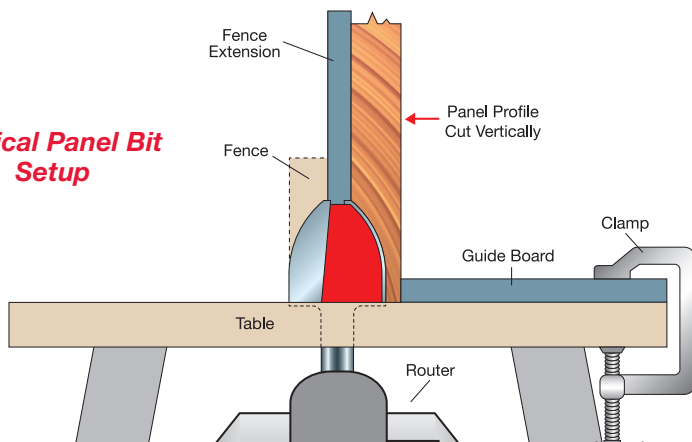
99-320



99-322



Vertical Panel Bit Setup



USE IN



Table Router

APPLICATION

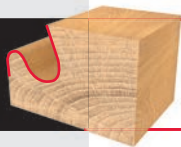
Creates full sized raised panels by feeding 3/4" stock vertically. Small overall diameter makes these bits ideal for lower horsepower routers and single speed routers.

MATERIALS



ROUTER BITS

DOOR & WINDOW BITS



Door Pull Bit

USE IN



Table Router

APPLICATION

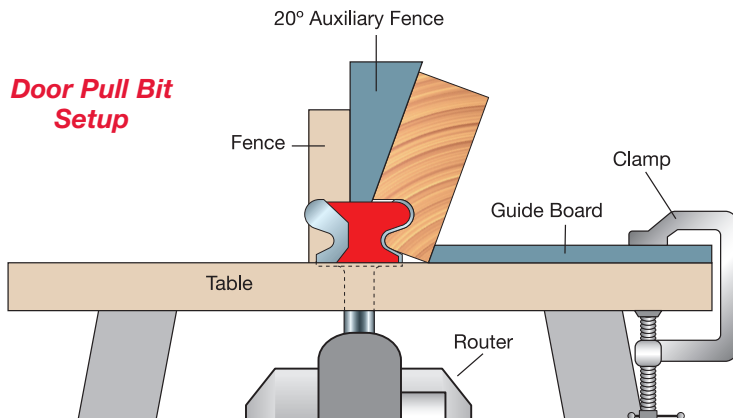
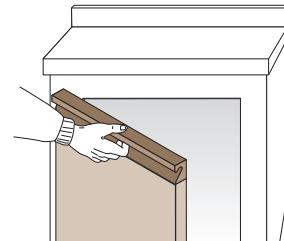
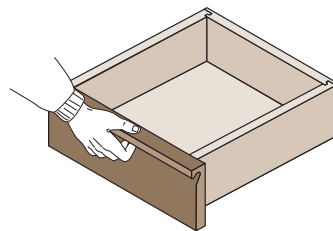
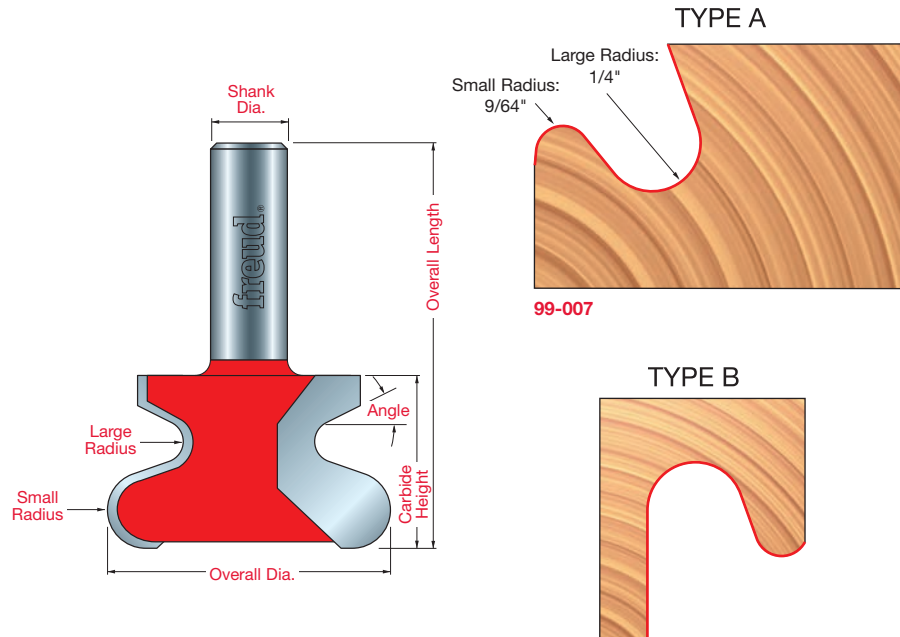
Produces the finger pull groove found on popular contemporary cabinet doors

MATERIALS



ROUTER BITS

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	ANGLE	SHANK DIA.	OVERALL LENGTH
99-007	1-27/32"	1-1/8"	1/4"	9/64"	26-1/2°	1/2"	2-5/8"



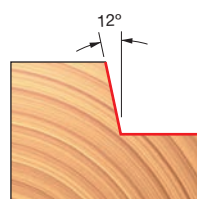
Door Lip Bit



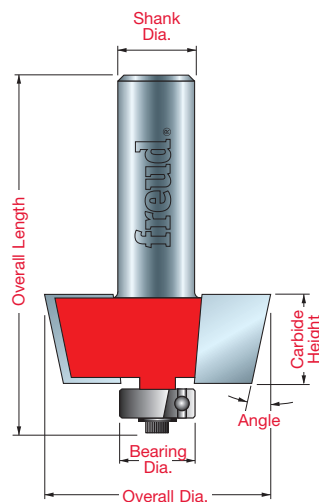
DOOR & WINDOW BITS

CONTINUED

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
99-002	1-1/2"	1/2"	19/32"	12°	1/2"	2-7/16"



99-002



USE IN



Table Router Hand Router

APPLICATION

Cutting out the inset portion of a cabinet door. Use with your choice of face profiles for maximum design versatility.

MATERIALS



Hardwood

Softwood

MDF

Plywood

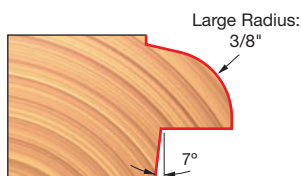
ROUTER BITS

Door Lip Bit

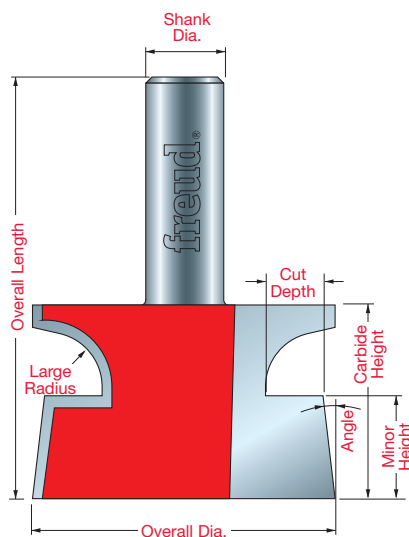


DOOR & WINDOW BITS

ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	ANGLE	SHANK DIA.	OVERALL LENGTH
99-001	2"	29/64"	1-1/4"	11/16"	3/8"	7°	1/2"	2-3/4"



99-001



USE IN



Table Router

APPLICATION

Producing classical door lips on stock from 1/2" to 1-1/4" in thickness

MATERIALS



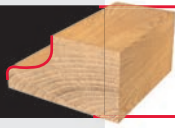
Hardwood

Softwood

MDF

Plywood

DOOR & WINDOW BITS



No Lip Door Edge Bit

USE IN



Table Router Hand Router

APPLICATION

Create a decorative inverted Ogee Profile on the face of door fronts. Designed to compliment the profile formed on the face of the door created by the 99-064 finger pull door edge bit. Precise shear angles provide a splinter-free finish.

MATERIALS



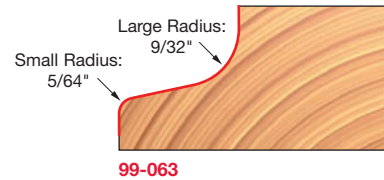
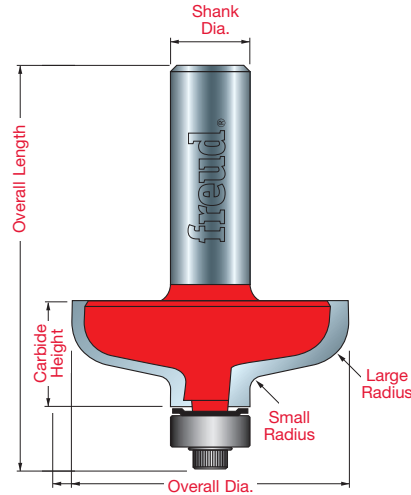
Hardwood

Softwood

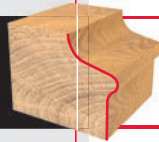
MDF

Plywood

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-063	1-3/4"	5/8"	9/32"	5/64"	1/2"	2-5/8"



DOOR & WINDOW BITS



Finger Pull Door Lip Bit

USE IN



Table Router

APPLICATION

Creating the finger pull found on popular contemporary cabinet doors

MATERIALS



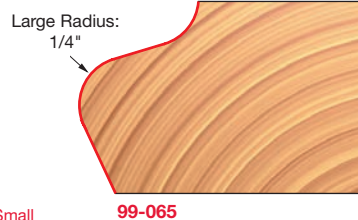
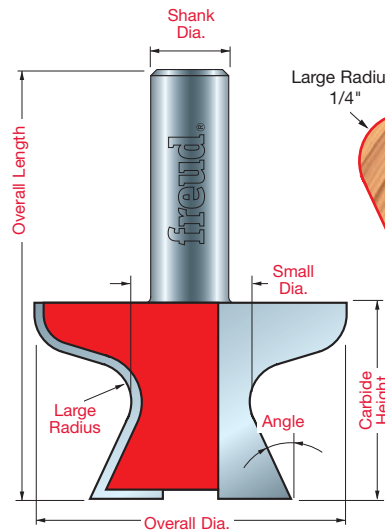
Hardwood

Softwood

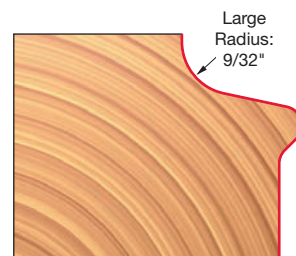
MDF

Plywood

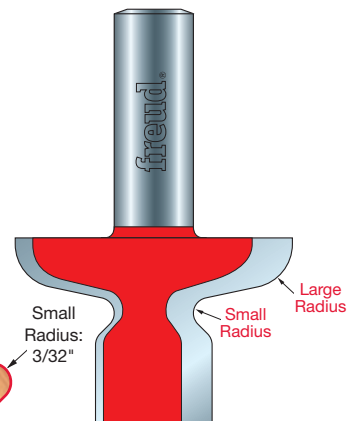
ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	ANGLE	SHANK DIA.	OVERALL LENGTH
99-064	1-3/4"	5/8"	1-3/16"	9/32"	3/32"	—	1/2"	2-5/8"
99-065	2"	3/4"	1-1/4"	1/4"	—	25°	1/2"	2-3/4"



99-065



99-064

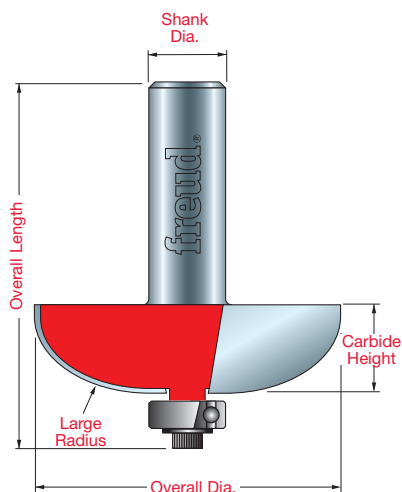
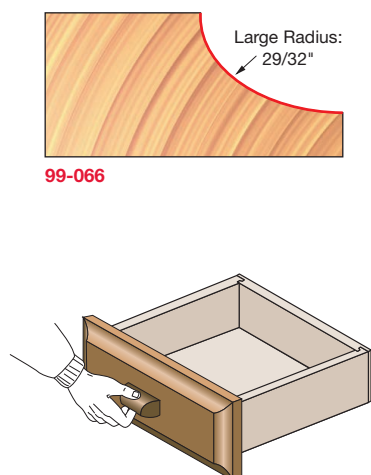


Drawer Front Bit



DOOR & WINDOW BITS

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
99-066	2"	9/16"	29/32"	1/2"	2-3/8"



USE IN



APPLICATION

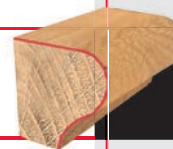
Adding a decorative "raised panel" look to drawer fronts. Precise shear angles provide a splinter-free finish.

MATERIALS



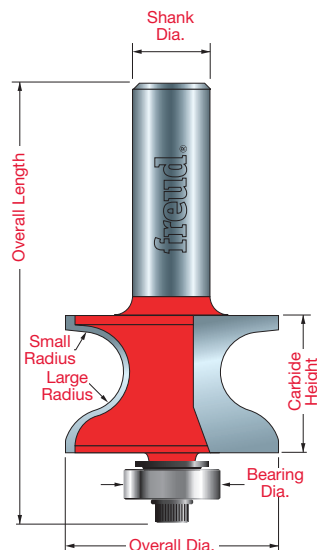
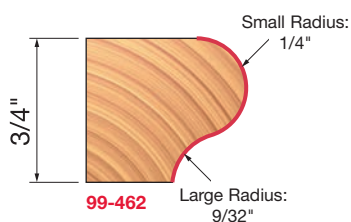
ROUTER BITS

Window Stool Bit



DOOR & WINDOW BITS

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-462	1-13/32"	5/8"	1"	9/32"	1/4"	1/2"	2-7/8"



USE IN



APPLICATION

For milling a graceful, traditional window sill profile. Perfect to match an existing window stool, or to add a beautiful decorative touch to an unadorned window opening. Suitable for 11/16" or 3/4" thick material. Includes a ball bearing guide for use with patterns or to align the fence.

MATERIALS



ROUTER BIT SETS

USE IN



Table Router Hand Router

APPLICATION

Ideal starter set for the beginning woodworker. Includes a variety of bits that allow you to experience several router functions.



MATERIALS



Hardwood Softwood Laminate



MDF Plywood

9-Piece Basic Bit Set

BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	NO. OF FLUTES	MINOR HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
Item Number 88-100 (9 pc. 1/4" Shank Set)									
Double Flute Straight Bit*	04-104	1/4"	—	1/2"	—	—	—	1/4"	2"
Double Flute Straight Bit	04-124	3/8"	—	1"	—	—	—	1/4"	2-1/2"
Mortising Bit	16-100	1/2"	—	1/2"	—	—	—	1/4"	2"
Dovetail Bit	22-104	1/2"	—	1/2"	—	14°	—	1/4"	1-7/8"
Rabbeting Bit	32-100	1-1/4"	1/2"	1/2"	—	—	—	1/4"	2"
Rounding Over Bit	34-110	1"	1/2"	1/2"	—	—	1/4"	1/4"	2-3/16"
Roman Ogee Bit	38-100	1-1/16"	3/8"	1/2"	—	—	5/32"	1/4"	2-3/16"
Bearing Flush Trim Bit	42-102	3/8"	3/8"	1/2"	2	—	—	1/4"	2-5/16"
Panel Pilot Bit*	70-100	1/4"	—	1/4"	1	—	1/4"	1-5/8"	1-5/8"
Item Number 91-108 (9 pc. 1/2" Shank Set)									
Double Flute Straight Bit	12-116	1/2"	—	1"	—	—	—	1/2"	2-5/8"
Double Flute Straight Bit	12-108	3/8"	—	1"	—	—	—	1/2"	2-5/8"
Mortising Bit	16-110	1/2"	—	1/2"	—	—	—	1/2"	2-3/8"
Dovetail Bit	22-112	1/2"	—	1/2"	—	14°	—	1/2"	2-1/4"
Rabbeting Bit	32-102	1-1/4"	1/2"	1/2"	—	—	—	1/2"	2-1/4"
Rounding Over Bit	34-120	1"	1/2"	1/2"	—	—	1/4"	1/2"	2-1/2"
Roman Ogee Bit	38-106	1-3/8"	3/8"	1/2"	—	—	5/32"	1/2"	2-3/8"
Bearing Flush Trim Bit	42-109	1/2"	1/2"	1/2"	2	—	—	1/2"	2-7/8"
"V" Grooving Bit	20-108	3/4"	—	1/2"	—	90°	—	1/2"	2-1/4"



91-108



04-104 / 04-124
12-116 / 12-108



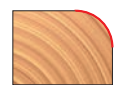
16-100 / 16-110



22-104 / 22-112



32-100 / 32-102



34-110 / 34-120



38-100 / 38-106



42-104 / 42-109



70-100



20-108

5-Piece Introductory Bit Set

BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	NO. OF FLUTES	MINOR HEIGHT	SHANK DIA.	OVERALL LENGTH
Item Number 91-103								
Bearing Flush Trim Bit	42-110	1/2"	1/2"	1"	2	—	1/2"	3-1/4"
Double Flute Straight Bit	12-100	1/4"	—	3/4"	2	—	1/2"	2-3/8"
Roman Ogee Bit	38-104	1-1/16"	3/8"	1/2"	—	5/32"	1/2"	2-3/8"
Rounding Over Bit	34-124	1-1/4"	1/2"	5/8"	—	3/8"	1/2"	2-5/8"
**Beading Bit	36-124	1-1/4"	3/8"	5/8"	—	3/8"	1/2"	2-5/8"



42-110



12-100



91-103



34-124



38-104



36-124*

ROUTER BIT SETS

USE IN



Table Router Hand Router

APPLICATION

Fundamental bit set for novice woodworkers. Introduction to the wide possibilities offered by your 1/2" collet router. Includes a flush trim, straight, Roman ogee, and rounding over bit.

MATERIALS



ROUTER BITS

5-Piece Up Spiral Bit Set

BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
Item Number 90-150					
Up Spiral Bit*	75-101	3/16"	3/4"	1/4"	2-1/4"
Up Spiral Bit*	75-102	1/4"	1"	1/4"	2-1/2"
Up Spiral Bit*	75-104	5/16"	1"	1/2"	3"
Up Spiral Bit*	75-106	3/8"	1-1/4"	1/2"	3"
Up Spiral Bit*	75-108	1/2"	1-1/4"	1/2"	3"



75-101 / 75-102
75-104 / 75-106
75-108



90-150

ROUTER BIT SETS

USE IN



Hand Router CNC

APPLICATION

Quickly create grooves, mortises, and dados with chip removal

MATERIALS



** Use included bearing 62-104 to convert 34-124 Beading Bit into 36-124 Rounding Over Bit.

Red Item Numbers Indicate 1/2" Shank

* Solid Carbide

All Profile Drawings 1:1 Scale

freud® 251

ROUTER BIT SETS

USE IN



APPLICATION

Create chip-free top surface mortises and dadoses. Ideal choice for grooves and dadoses in delicate materials.

MATERIALS



ROUTER BIT SETS

USE IN



APPLICATION

Creates perfectly fitted grooves and dadoses. Designed to cut today's undersized plywood; ideal for 1/4" to 3/4" plywood.

MATERIALS



5-Piece Down Spiral Bit Set

BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
Item Number 90-160					
Down Spiral Bit*	76-101	3/16"	3/4"	1/4"	2-1/4"
Down Spiral Bit*	76-102	1/4"	1"	1/4"	2-1/2"
Down Spiral Bit*	76-104	5/16"	1"	1/2"	2-1/2"
Down Spiral Bit*	76-106	3/8"	1-1/4"	1/2"	3"
Down Spiral Bit*	76-108	1/2"	1-1/4"	1/2"	3"



91-160



76-101 / 76-102
76-104 / 76-106
76-108

3-Piece Undersized Plywood Bit Set

BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
Item Number 89-660 (3 pc. 1/4" Shank Set)					
Double Flute Straight Bit*	04-111	7/32"	3/4"	1/4"	2"
Mortising Bit	16-098	15/32"	1/2"	1/4"	2"
Mortising Bit**	16-103	23/32"	1/2"	1/4"	1-3/4"
Item Number 89-670 (3 pc. 1/2" Shank Set)					
Down Shear Mortising Bit**	16-094	7/32"	1/2"	1/2"	2-1/4"
Down Shear Mortising Bit**	16-109	15/32"	1/2"	1/2"	2-1/4"
Mortising Bit**	16-116	23/32"	3/8"	1/2"	2-1/8"



89-670



04-111 / 16-098
16-103 / 16-094
16-109 / 16-116

4-Piece Undersized Plywood Bit Set



ROUTER BIT SETS

BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
Item Number 90-106 (4 pc. 1/4" Shank Set)					
Double Flute Straight Bit*	04-111	7/32"	3/4"	1/4"	2"
Mortising Bit	16-103	23/32"	1/2"	1/4"	1-3/4"
Mortising Bit	16-096	11/32"	1/2"	1/4"	2"
Mortising Bit**	16-098	15/32"	1/2"	1/4"	2"
Item Number 89-650 (4 pc. 1/2" Shank Set)					
Down Shear Mortising Bit**	16-094	7/32"	1/2"	1/2"	2-1/4"
Down Shear Mortising Bit**	16-107	11/32"	1/2"	1/2"	2-1/4"
Down Shear Mortising Bit**	16-109	15/32"	1/2"	1/2"	2-1/4"
Mortising Bit**	16-116	23/32"	3/8"	1/2"	2-1/8"



16-103 / 16-069
 16-098 / 04-111
 16-094 / 16-107
 16-109 / 16-116



89-650

USE IN



Table Router Hand Router

APPLICATION

Creates perfectly fitted grooves and dadoes. Designed to cut today's undersized plywood; ideal for 1/4" to 3/4" plywood.

MATERIALS



Hardwood

Softwood

MDF

Plywood

ROUTER BIT SETS



8-Piece General Purpose Bit Set

USE IN



Table Router



Hand Router

CNC

APPLICATION

Engraving, 2D & 3D carving, grooving, sign making and sizing material. Whether starting out with your first CNC or expanding the range and quality of an existing bit collection, you will find plenty of projects to tackle with Freud's 1/4" shank General Purpose Set. Specifically designed for CNC Makers to deliver long cutting life, maximum durability and high quality finish.

MATERIALS



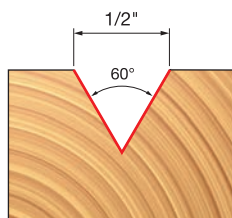
Hardwood Softwood Plastic

MDF Plywood Aluminum

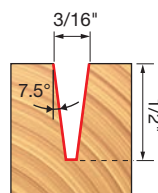
BIT TYPE	ITEM NO.	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
Item Number 87-108 (8-Piece General Purpose Set)					
Carbide Tipped "V" Grooving Bit	20-104	1/2"	7/6"	1/4"	1-3/4"
"V" Grooving Bit*	20-152	1/2"	1/2"	1/4"	2"
Engraving V-Groove Bit*	70-103	3/16"	1/2"	1/4"	1-11/16"
O-Flute Straight Bit*	71-040	1/8"	1/2"	1/4"	2"
Upcut Spiral Ball Nose*	72-101	1/4"	1/2"	1/4"	2-1/2"
O-Flute Up Spiral Bit*	73-762	1/8"	1/2"	1/4"	2"
O-Flute Up Spiral Bit*	75-025	1/4"	7/8"	1/4"	2-1/2"
Up Spiral Bit*	75-101	3/16"	3/4"	1/4"	2-1/4"



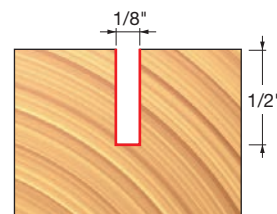
87-108



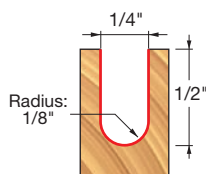
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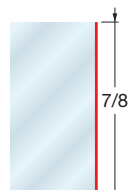
70-103



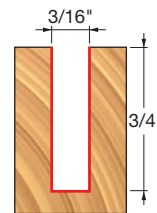
71-040



72-101



75-025



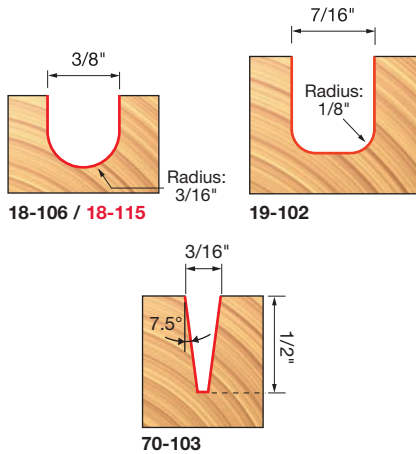
75-101

3-Piece Lettering & Sign Bit Set



ROUTER BIT SETS

BIT TYPE	ITEM NO.	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
Item Number 87-408 (3-Piece Lettering & Sign Set)					
Round Nose Bit	18-106	1/2"	3/8"	1/4"	1-13/16"
Dish Carving	19-102	7/16"	1/2"	1/4"	2"
Engraving V-Groove Bit	70-103	3/16"	1/2"	1/4"	1-11/16"



USE IN



APPLICATION

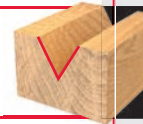
Sign lettering, relief carving, engraving, 2D and 3D carving

MATERIALS



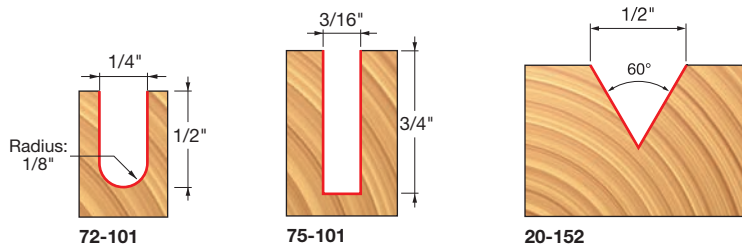
ROUTER BITS

3-Piece Carving Bit Set



ROUTER BIT SETS

BIT TYPE	ITEM NO.	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
Item Number 87-608 (3-Piece Carving Set)					
Up Cut Spiral Ball Nose	72-101	1/4"	1/2"	1/4"	2-1/2"
Up Spiral Bit	75-101	3/16"	3/4"	1/4"	2-1/4"
V-Grooving Bit	20-152	1/2"	1/2"	1/4"	2"



USE IN



APPLICATION

Engraving, 2D & 3D carving, grooving, sign making and sizing material

MATERIALS



ROUTER BIT SETS



3-Piece CNC Fine Detail Set

USE IN



Table Router



Hand Router

CNC

APPLICATION

Sign lettering, relief carving, engraving, 2D and 3D Carving. Bit design allows you to make fast cuts with very efficient chip and dust evacuation.

MATERIALS



Hardwood

Softwood

Plastic

MDF

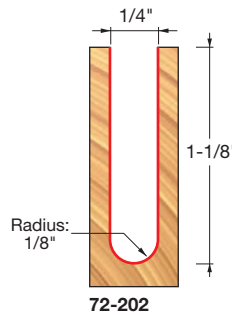
Plywood

Aluminum

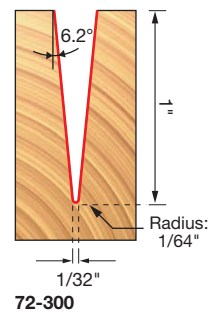
BIT TYPE	ITEM NO.	OVERALL DIA.	CUTTING LENGTH	ANGLE	SHANK DIA.	OVERALL LENGTH
Item Number 87-308 (3-Piece CNC Fine Detail Set)						
Tapered Ball Tip	72-400	1/16"	1"	5.4°	1/4"	3"
Tapered Ball Tip	72-300	1/32"	1"	—	1/4"	3"
Up Cut Spiral Ball Nose	72-202	1/4"	1-1/8"	—	1/4"	3"



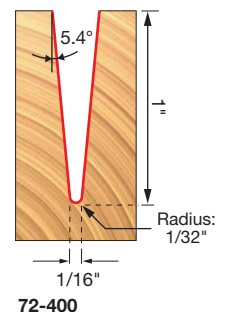
87-308



72-202



72-300



72-400

ROUTER BIT SETS



4-Piece Radius "V" Grooving Bit Set

USE IN



Table Router



Hand Router

CNC

APPLICATION

Engraving, 2D & 3D carving, grooving, sign making and sizing material. Radius V-Groove Bits give your workpiece a V-Groove Shape with rounded top edge.

MATERIALS



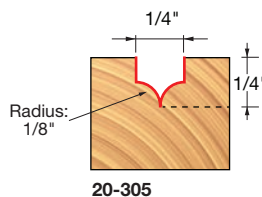
Hardwood

Softwood

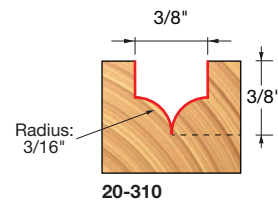
MDF

Plywood

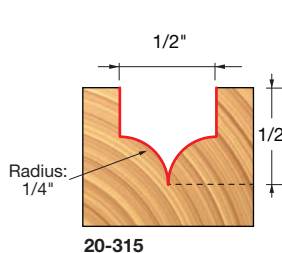
ITEM NO.	OVERALL DIA.	CUTTING LENGTH	ANGLE	SHANK DIA.	OVERALL LENGTH
Item Number 87-115 (4-Piece Radius "V" Grooving Bits)					
20-305*	3/16"	1/2"	7.5°	1/4"	1-11/16"
20-310*	1/4"	—	15°	1/4"	2-12"
20-315*	1/4"	—	30°	1/4"	2"
20-320*	1/4"	—	60°	1/4"	2"



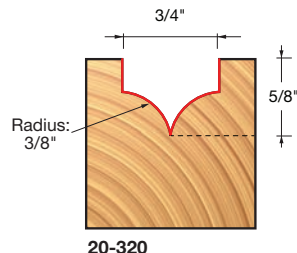
20-305



20-310



20-315



20-320

8-Piece Sign Making Bit Set

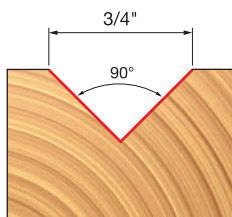


ROUTER BIT SETS

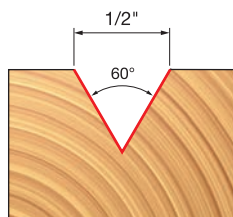
BIT TYPE	ITEM NO.	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH
Item Number 87-208 (8-Piece Sign Making Bit Set)					
Carbide Tipped "V" Grooving Bit	20-108	3/4"	1/2"	1/2"	2-1/4"
"V" Grooving Bit*	20-152	3/4"	1/2"	1/4"	2"
Upcut Spiral Ball Nose	72-101	1/4"	1/2"	1/4"	2-1/2"
Upcut Spiral Ball Nose	72-202	1/4"	1/2"	1/4"	3"
Tapered Ball Tip Bit*	72-300	1/32"	1"	1/4"	3"
Tapered Ball Tip Bit*	72-400	1/16"	1"	1/4"	3"
Up Spiral Bit*	75-102	1/4"	1"	1/4"	2-1/2"
Down Spiral Bit*	76-100	1/8"	1/2"	1/4"	2"



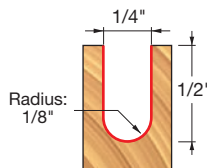
87-208



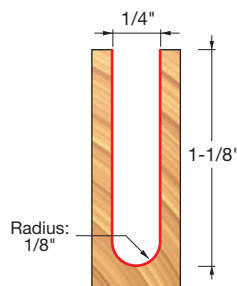
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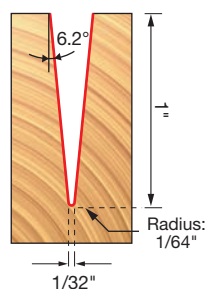
20-152



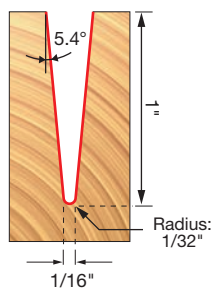
72-101



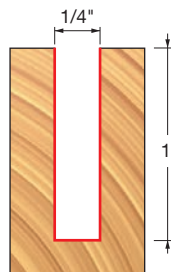
72-202



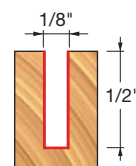
72-300



72-400



75-102



76-100

USE IN



Table Router



Hand Router



CNC

APPLICATION

Sign lettering, relief carving, engraving, 2D and 3D Carving. Specifically designed for CNC Makers to deliver long cutting life, maximum durability and high quality finish.

MATERIALS



Hardwood

Softwood

Plastic

MDF

Plywood

Aluminum

ROUTER BITS

ROUTER BIT SETS



6-Piece Starter Bit Set

USE IN



Table Router Hand Router

APPLICATION

Includes a variety of profiles ideal for the beginning woodworker. Enables a novice woodworker to be very creative with a minimum investment.



MATERIALS



Hardwood

Softwood

MDF

Plywood

BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	NO. OF FLUTES	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
Item Number 91-104 (6 pc. 1/2" Shank Set)								
Round Nose Bit	18-116	1/2"	—	1-1/8"	—	1/4"	1/2"	2-13/16"
Cove Bit	30-114	1-1/2"	1/2"	5/8"	—	1/2"	1/2"	2-1/2"
Rabbeting Bit	32-102	1-1/4"	1/2"	1/2"	—	—	1/2"	2-1/4"
Rounding Over Bit	34-124	1-1/4"	1-1/2"	5/8"	—	3/8"	1/2"	2-5/8"
Roman Ogee Bit	38-106	1-3/8"	3/8"	23/32"	—	1/4"	1/2"	2-9/16"
Chamfer Bit	40-114	1-3/4"	1/2"	5/8"	45°	—	1/2"	2-9/16"



91-104



18-116



30-114



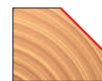
32-102



34-124

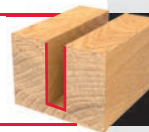


38-106



40-114

15-Piece Advanced Bit Set



ROUTER BIT SETS

BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	NO. OF FLUTES	ANGLE	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
Item Number 90-100									
Double Flute Straight Bit*	04-106	1/4"	—	3/4"	—	—	—	1/4"	2-1/4"
Double Flute Straight Bit	04-140	3/4"	—	3/4"	—	—	—	1/4"	2-1/8"
Mortising Bit	16-100	1/2"	—	1/2"	—	—	—	1/4"	2"
Round Nose Bit*	18-104	1/4"	—	3/8"	—	—	1/8"	1/4"	2"
"V" Grooving Bit	20-104	1/2"	—	7/16"	—	90°	—	1/4"	1-3/4"
Dovetail Bit	22-104	1/2"	—	1/2"	—	14°	—	1/4"	1-7/8"
Panel Pilot Bit	26-100	1/4"	—	3/4"	1	—	—	1/4"	2-1/4"
Cove Bit	30-106	1-3/8"	3/8"	5/8"	—	—	1/2"	1/4"	2-3/16"
Rabbeting Bit	32-100	1-1/4"	1/2"	1/2"	—	—	—	1/4"	2"
Rounding Over Bit	34-114	1-1/4"	1/2"	5/8"	—	—	3/8"	1/4"	2-3/16"
Roman Ogee Bit	38-100	1-1/16"	3/8"	1/2"	—	—	5/32"	1/4"	2-3/16"
Chamfer Bit	40-106	1-3/4"	1/2"	5/8"	—	45°	—	1/4"	2-3/16"
Bearing Flush Trim Bit	42-106	1/2"	1/2"	1/2"	2	—	—	1/4"	2-1/8"
Flush Trim Bit*	64-100	1/4"	—	3/8"	—	—	—	1/4"	1-1/2"
Bevel Trim Bit*	66-100	1/4"	3/16"	1/4"	—	7°	—	1/4"	1-1/2"

USE IN



Table Router Hand Router

APPLICATION

Offers a variety of useful bits, from "V" grooving and flush trimming to chamfering and dovetailing

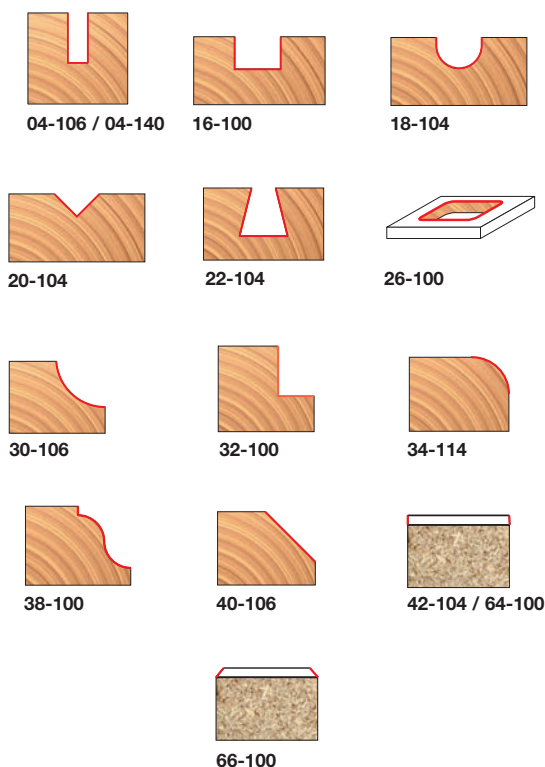


MATERIALS



Hardwood Softwood Laminate

MDF Plywood



90-100

ROUTER BIT SETS



26-Piece Artisan Bit Set

USE IN



Table Router Hand Router

APPLICATION

The best set for the professional and serious woodworker. Offers the craftsman a wide range of bits, including: "V" grooving, rounding over, Roman ogee, flush trim, chamfer and many other popular profiles.



MATERIALS



BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	NO. OF FLUTES	ANGLE	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
Item Number 92-100									
Double Flute Straight Bit*	04-100	1/8"	—	3/8"	—	—	—	1/4"	1-3/4"
Double Flute Straight Bit*	04-106	1/4"	—	3/4"	—	—	—	1/4"	2-1/4"
Double Flute Straight Bit*	04-108	1/4"	—	1"	—	—	—	1/4"	2-1/2"
Double Flute Straight Bit	04-140	3/4"	—	3/4"	—	—	—	1/4"	2-1/8"
Mortising Bit	16-100	1/2"	—	1/2"	—	—	—	1/4"	2"
Round Nose Bit*	18-104	1/4"	—	3/8"	—	—	1/8"	1/4"	2"
Round Nose Bit	18-106	3/8"	—	3/8"	—	—	3/16"	1/4"	1-13/16"
"V" Grooving Bit*	20-100	1/4"	—	1/4"	—	90°	—	1/4"	1-1/2"
"V" Grooving Bit	20-104	1/2"	—	7/16"	—	90°	—	1/4"	1-3/4"
Dovetail Bit	22-104	1/2"	—	1/2"	—	14°	—	1/4"	1-7/8"
Panel Pilot Bit*	26-100	1/4"	—	3/4"	1	—	—	1/4"	2-1/4"
Cove Bit	30-102	7/8"	3/8"	1/2"	—	—	1/4"	1/4"	2-3/16"
Cove Bit	30-106	1-1/2"	1/2"	5/8"	—	—	1/2"	1/4"	2-3/16"
Rabbeting Bit	32-100	1-1/4"	1/2"	1/2"	—	—	—	1/4"	2"
Rounding Over Bit	34-110	1"	1/2"	1/2"	—	—	1/4"	1/4"	2-3/16"
Rounding Over Bit	34-114	1-1/4"	1/2"	1/4"	—	—	3/8"	1/4"	2-3/16"
Beading Bit	36-110	1"	3/8"	1/2"	—	—	1/4"	1/4"	2-3/16"
Beading Bit	36-114	1-1/4"	3/8"	5/8"	—	—	3/8"	1/4"	2-3/16"
Roman Ogee Bit	38-100	1-1/16"	3/8"	1/2"	—	—	5/32"	1/4"	2-3/16"
Roman Ogee Bit	38-102	1-3/8"	3/8"	23/32"	—	—	1/4"	1/4"	2-3/8"
Chamfer Bit	40-106	1-3/4"	1/2"	1/4"	—	45°	—	1/4"	2-3/16"
Bearing Flush Trim Bit	42-100	3/8"	3/8"	1"	2	—	—	1/4"	2-13/16"
Bearing Flush Trim Bit	42-104	1/2"	1/2"	1"	2	—	—	1/4"	2-13/16"
Bearing Flush Trim Bit	42-106	1/2"	1/2"	1/2"	2	—	—	1/4"	2-1/8"
Flush Trim Bit*	64-100	1/4"	—	3/8"	—	—	—	1/4"	1-1/2"
Bevel Trim Bit*	66-100	1/4"	3/16"	1/4"	—	7°	—	1/4"	1-1/2"

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

26-Piece Artisan Bit Set



ROUTER BIT SETS

CONTINUED



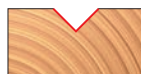
04-104 / 04-106
04-108 / 04-140



16-100



18-104 / 18-106



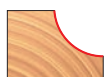
20-100 / 20-104



22-104



26-100



30-102 / 30-106



32-100



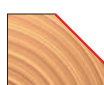
34-110 / 34-114



36-110 / 36-114



38-100 / 38-102



40-106



42-100 / 42-104
42-106 / 64-100



66-100



92-100

USE IN



Table Router Hand Router

APPLICATION

The best set for the professional and serious woodworker. Offers the craftsman a wide range of bits, including: "V" grooving, rounding over, Roman ogee, flush trim, chamfer and many other popular profiles.



MATERIALS



Hardwood



Softwood



MDF



Plywood

ROUTER BITS

ROUTER BIT SETS



13-Piece Super Bit Set

USE IN



APPLICATION

Offers a mix of woodworkers' favorite bits, including "V" grooving, flush trimming, chamfering and dovetailing



MATERIALS



BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	NO. OF FLUTES	ANGLE	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
Item Number 91-100									
Double Flute Straight Bit	12-100	1/4"	—	3/4"	—	—	—	1/2"	2-3/8"
Double Flute Straight Bit	12-116	1/2"	—	1"	—	—	—	1/2"	2-5/8"
Double Flute Straight Bit	12-152	3/4"	—	1"	—	—	—	1/2"	2-1/2"
Mortising Bit	16-110	1/2"	—	1/2"	—	—	—	1/2"	2-3/8"
Round Nose Bit	18-114	1/4"	—	3/8"	—	—	1/8"	1/2"	2-1/4"
"V" Grooving Bit	20-108	3/4"	—	1/2"	—	90°	—	1/2"	2-1/4"
Dovetail Bit	22-112	1/2"	—	1/2"	—	14°	—	1/2"	2-1/4"
Cove Bit	30-114	1-1/2"	1/2"	5/8"	—	—	1/2"	1/2"	2-1/2"
Rabbeting Bit	32-102	1-1/4"	1/2"	1/2"	—	—	—	1/2"	2-1/4"
Rounding Over Bit	34-124	1-1/4"	1/2"	5/8"	—	—	3/8"	1/2"	2-5/8"
Roman Ogee Bit	38-106	1-3/8"	3/8"	23/32"	—	—	1/4"	1/2"	2-9/16"
Chamfer Bit	40-114	1-3/4"	1/2"	5/8"	—	45°	—	1/2"	2-9/16"
Bearing Flush Trim Bit	42-110	1/2"	1/2"	1"	2	—	—	1/2"	3-1/4"



91-100



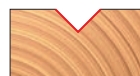
12-100 / 12-116
12-152



16-110



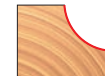
18-114



20-108



22-112



30-114



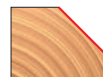
32-102



34-124



38-106



40-114



42-110

3-Piece Premier Adjustable Cabinet Bit Set

ROUTER BIT SETS



USE IN



Table Router

APPLICATION

These sets combine a Premier Adjustable Rail & Stile Bit Set with a Quadra-Cut Raised Panel Bit. Use with stock from 5/8" to 1-1/4" thick.



MATERIALS



ROUTER BITS

BIT TYPE	ITEM NO.	DESCRIPTION	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
Item Number 97-150							
Rail & Stile Bit Set	99-760	Round Over	1-11/16"	–	7/32"	1/2"	3-3/4"
Quadra-Cut™ Raised Panel Bit	99-515	Bevel	3-1/2"	5/8"	–	1/2"	2-1/2"
Item Number 97-152							
Rail & Stile Bit Set	99-760	Round Over	1-11/16"	–	7/32"	1/2"	3-3/4"
Quadra-Cut™ Raised Panel Bit	99-518	Cove	3-1/2"	5/8"	1-1/2"	1/2"	2-1/2"
Item Number 97-154							
Rail & Stile Bit Set	99-760	Round Over	1-11/16"	11/16"	7/32"	1/2"	3-3/4"
Quadra-Cut™ Raised Panel Bit	99-520	Ogee	3-1/2"	5/8"	25/32"	1/2"	2-1/2"
Item Number 97-250							
Rail & Stile Bit Set	99-761	Ogee	1-11/16"	23/32"	13/64"	1/2"	3-3/4"
Quadra-Cut™ Raised Panel Bit	99-515	Bevel	3-1/2"	5/8"	–	1/2"	2-1/2"
Item Number 97-252							
Rail & Stile Bit Set	99-761	Ogee	1-11/16"	23/32"	13/64"	1/2"	3-3/4"
Quadra-Cut™ Raised Panel Bit	99-518	Cove	3-1/2"	5/8"	1-1/2"	1/2"	2-1/2"
Item Number 97-254							
Rail & Stile Bit Set	99-761	Ogee	1-11/16"	23/32"	13/64"	1/2"	3-3/4"
Quadra-Cut™ Raised Panel Bit	99-520	Ogee	3-1/2"	5/8"	25/32"	1/2"	2-1/2"
Item Number 97-276							
Rail & Stile Bit Set	99-761	Ogee	1-11/16"	23/32"	13/64"	1/2"	3-3/4"
Quadra-Cut™ Raised Panel Bit	99-513	Roman Ogee	2-3/4"	5/8"	7/16"	1/2"	2-1/2"

Cabinet Sets with Backcutters

Item Number 97-156 (Raised Panel Bit With Backcutters)							
Rail & Stile Bit Set	99-760	Round Over	1-11/16"	11/16"	7/32"	1/2"	3-3/4"
Quadra-Cut™ Raised Panel Bit	99-566	Bevel with Backcutter	3-1/2"	1"	–	1/2"	3"
Item Number 97-158 (Raised Panel Bit With Backcutters)							
Rail & Stile Bit Set	99-760	Round Over	1-11/16"	11/16"	7/32"	1/2"	3-3/4"
Quadra-Cut™ Raised Panel Bit	99-569	Cove with Backcutter	3-1/2"	1"	1-1/2"	1/2"	3"
Item Number 97-258 (Raised Panel Bit With Backcutters)							
Rail & Stile Bit Set	99-761	Ogee	1-11/16"	23/32"	13/64"	1/2"	3-3/4"
Quadra-Cut™ Raised Panel Bit	99-569	Cove with Backcutter	3-1/2"	1"	1-1/2"	1/2"	3"
Item Number 97-260 (Raised Panel Bit With Backcutters)							
Rail & Stile Bit Set	99-761	Ogee	1-11/16"	23/32"	13/64"	1/2"	3-3/4"
Quadra-Cut™ Raised Panel Bit	99-571	Ogee with Backcutter	3-1/2"	1"	1-3/16"	1/2"	3"

Sets Feature
Freud's Premier
Adjustable
Rail & Stile
Bits



97-158

ROUTER BIT SETS

USE IN



Table Router

APPLICATION

These sets combine a premier adjustable rail & stile bit set with a Quadra-Cut raised panel bit. Use with stock from 5/8" to 1-1/4" thick.

MATERIALS



Hardwood

Softwood

MDF

Plywood

3-Piece Premier Adjustable Cabinet Bit Set

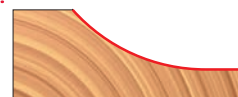
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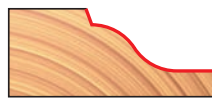
99-760



99-761



99-518



99-513



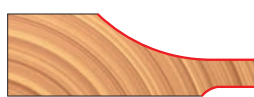
99-515



99-520



99-566



99-569



99-571

ROUTER BIT SETS

USE IN



Table Router

APPLICATION

Produce your own cabinet doors at a fraction of the cost of shaper heads. All sets feature Freud's premier adjustable rail & stile bits. Designed to be used on 5/8" to 1-1/4" stock.

MATERIALS



Hardwood

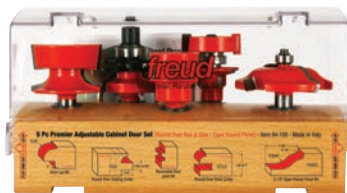
Softwood

MDF

Plywood

5-Piece Premier Adjustable Cabinet Bit Set

BIT TYPE	ITEM NO.	OVERALL DIA.	CUT DEPTH	SMALL DIA	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	ANGLE	SHANK DIA.	OVERALL LENGTH
Item Number 94-150											
Door Lip Bit	99-001	2"	29/64"	—	1-1/4"	11/16"	3/8"	—	7°	1/2"	2-3/4"
Reversible Glue Joint Bit	99-031	1-1/2"	—	1-3/16"	1-1/4"	23/64"	—	—	30°	1/2"	2-3/4"
Rail & Stile Bit Set	99-760	1-11/16"	—	—	—	—	7/32"	—	—	1/2"	3-3/4"
Raised Panel Bit (Quadra-Cut™)	99-510	2-3/4"	—	—	5/8"	7/32"	35/64"	1/8"	—	1/2"	2-1/2"



94-150



Sets Feature
Freud's Premier
Adjustable
Rail & Stile
Bits



99-760



99-001



99-510



99-031

3-Piece Door Construction Set



ROUTER BIT SETS

BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
Item Number 98-300					
Roundover	99-267	1-3/4"	1-1/2"	1/2"	3"
Quadra-Cut Raised Panel Bit	99-515	3-1/2"	5/8"	1/2"	2-1/2"
Item Number 98-302					
Roundover	99-267	1-3/4"	1-1/2"	1/2"	3"
Quadra-Cut Raised Panel Bit	99-518	3-1/2"	5/8"	1/2"	2-1/2"



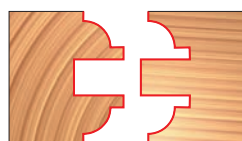
USE IN



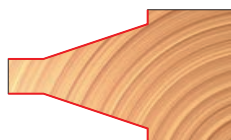
Table Router

APPLICATION

Create 1-3/4" thick exterior doors, 1-3/8" interior doors, sidelights or transoms in any style and any size. Capable of producing tenons of any length—perfect for load bearing joints! Both bits include shims for fine-tuning the joint for a continued perfect fit. Perfect for milling fine hardwoods and softwoods, and also produces an excellent cut in other materials.



99-267



99-515



99-518



MATERIALS



Hardwood



Softwood



MDF



Plywood



ROUTER BIT SETS



2-Piece Wide Crown Molding Bit Set

USE IN



Table Router

APPLICATION

Mill your own 5-1/2" wide Crown Molding economically and in your choice of wood and profile. These bits feature a carefully designed shape that lets you mix and match profiles to produce precisely the shape you need – up to nine different profiles from only six bits!

Each 2 pc set includes one popular upper and one lower profile Wide Crown Molding bit.

Mix and match bits for upper and lower profiles to produce nine different designs.

Use only in a router table with minimum 6" high fence, mill in 3 or more passes.

Use featherboards and hold downs to hold stock down & against the fence.

Use pusher blocks or a push stick to feed stock. Make test cuts in scrap stock first.

MATERIALS



Hardwood

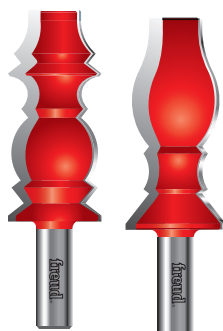
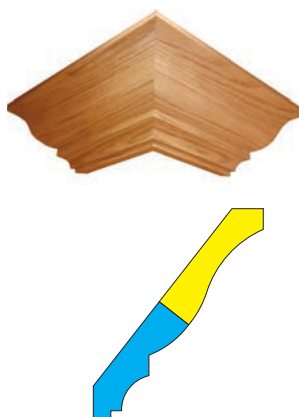


Softwood

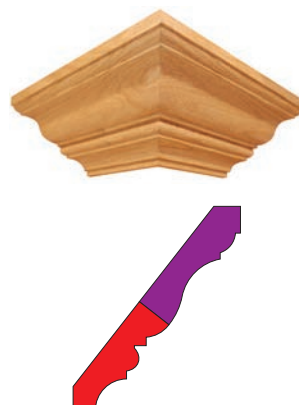
ITEM NUMBER	PROFILE NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
Item Number 98-507					
99-414	Upper 1	1-5/16"	3"	1/2"	4-7/16"
99-417	Lower 4	1-3/8"	3-1/16"	1/2"	4-9/16"
Item Number 98-509					
99-415	Upper 2	1-3/8"	3-1/16"	1/2"	4-9/16"
99-416	Lower 3	1-13/32"	3"	1/2"	4-7/16"



98-507



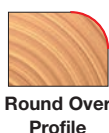
98-509



3-Piece Round Over/Beading Bit Sets

ROUTER BIT SETS

BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
Item Number 89-100							
Rounding Over Bit	34-108	7/8"	1/2"	1/2"	3/16"	1/4"	2-3/16"
Rounding Over Bit	34-114	1-1/4"	1/2"	5/8"	3/8"	1/4"	2-3/16"
Rounding Over Bit	34-116	1-1/2"	1/2"	3/4"	1/2"	1/4"	2-1/2"
Item Number 89-150							
Rounding Over Bit	34-120	1"	1/2"	1/2"	1/4"	1/2"	2-1/2"
Rounding Over Bit	34-124	1-1/4"	1/2"	5/8"	3/8"	1/2"	2-5/8"
Rounding Over Bit	34-126	1-1/2"	1/2"	3/4"	1/2"	1/2"	2-3/4"



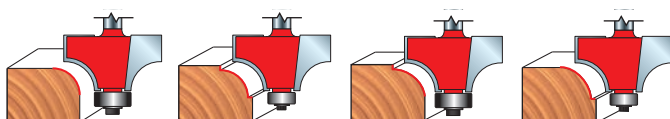
Round Over Profile



Bead Profile



89-150



USE IN



Table Router Hand Router

APPLICATION

Rounding over bits soften the edges of fine furniture, while beading bits produce a simple, decorative edge on furniture and moldings. Includes three rounding over bits and a 3/8" bearing which will convert all three bits into beading bits for the ultimate in value.

MATERIALS



Hardwood

Softwood

MDF

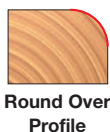
Plywood

ROUTER BITS

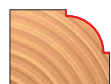
5-Piece Round Over/Beading Bit Sets

ROUTER BIT SETS

BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
Item Number 89-102							
Rounding Over Bit	34-104	3/4"	1/2"	1/2"	1/8"	1/4"	2-3/16"
Rounding Over Bit	34-108	7/8"	1/2"	1/2"	3/16"	1/4"	2-3/16"
Rounding Over Bit	34-110	1"	1/2"	1/2"	1/4"	1/4"	2-3/16"
Rounding Over Bit	34-114	1-1/4"	1/2"	5/8"	3/8"	1/4"	2-3/16"
Rounding Over Bit	34-116	1-1/2"	1/2"	3/4"	1/2"	1/4"	2-1/2"
Item Number 89-152							
Rounding Over Bit	34-118	3/4"	1/2"	1/2"	1/8"	1/2"	2-1/2"
Rounding Over Bit	34-120	1"	1/2"	1/2"	1/4"	1/2"	2-1/2"
Rounding Over Bit	34-124	1-1/4"	1/2"	5/8"	3/8"	1/2"	2-5/8"
Rounding Over Bit	34-126	1-1/2"	1/2"	3/4"	1/2"	1/2"	2-3/4"
Rounding Over Bit	34-128	2"	1/2"	1"	3/4"	1/2"	2-7/8"



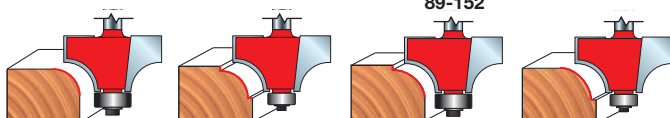
Round Over Profile



Bead Profile



89-152



USE IN



Table Router Hand Router

APPLICATION

Similar to the Three Piece Sets, these sets offer additional profiles for a wider range of applications. Includes five rounding over bits and a 3/8" bearing which will convert all five bits into beading bits for the ultimate in value.

MATERIALS



Hardwood

Softwood

MDF

Plywood

ROUTER BIT SETS



8-Piece Bit Sets for Incra Jig®

USE IN



Table Router



Hand Router



CNC

APPLICATION

Create dovetail and box joints by combining these bits with your table-mounted router and an Incra Jig®

MATERIALS



Hardwood



Softwood



MDF



Plywood

ROUTER BITS

BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
Item Number 96-100						
Double Flute Straight Bit*	04-106	1/4"	3/4"	—	1/4"	2-1/4"
Double Flute Straight Bit	04-124	3/8"	1"	—	1/4"	2-1/2"
Dovetail Bit	22-100	1/4"	5/16"	7-1/2°	1/4"	2"
Dovetail Bit	22-101	5/16"	3/8"	9°	1/4"	1-7/8"
Dovetail Bit	22-102	3/8"	3/8"	9°	1/4"	1-7/8"
Dovetail Bit	22-104	1/2"	1/2"	14°	1/4"	1-7/8"
Dovetail Bit	22-105	3/8"	7/8"	7°	1/4"	2-1/8"
Dovetail Bit	22-106	3/4"	7/8"	7°	1/4"	2-1/8"
Item Number 96-102						
Double Flute Straight Bit	12-100	1/4"	3/4"	—	1/2"	2-3/8"
Double Flute Straight Bit	12-108	3/8"	1"	—	1/2"	2-5/8"
Dovetail Bit	22-107	1/4"	5/16"	7-1/2°	1/2"	2-5/8"
Dovetail Bit	22-108	5/16"	3/8"	9°	1/2"	2-1/8"
Dovetail Bit	22-110	3/8"	3/8"	9°	1/2"	2-1/4"
Dovetail Bit	22-112	1/2"	1/2"	14°	1/2"	2-1/4"
Dovetail Bit	22-113	5/8"	7/8"	7°	1/2"	2-5/8"
Dovetail Bit	22-114	3/4"	7/8"	7°	1/2"	2-5/8"



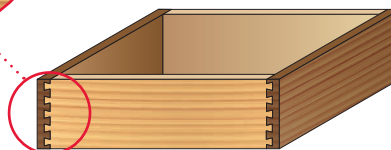
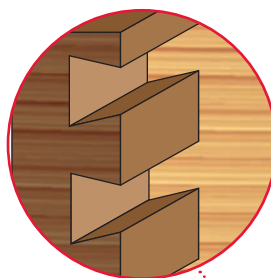
96-100



Double Flute Straight Bit Profile

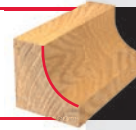


Dovetail Bit Profile



Incra Jig® is a registered Trademark of Taylor Design Group

3-Piece Cove Bit Sets



ROUTER BIT SETS

BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
Item Number 89-550							
Cove Bit	30-110	1"	1/2"	1/2"	1/4"	1/2"	2-1/2"
Cove Bit	30-112	1-1/4"	1/2"	1/2"	3/8"	1/2"	2-1/2"
Cove Bit	30-114	1-1/2"	1/2"	5/8"	1/2"	1/2"	2-1/2"



Cove Bit Profile



89-550

USE IN



Table Router Hand Router

APPLICATION

Produces classical decorative edge on furniture and moldings. Includes 1/4", 3/8" and 1/2" radius cove bits and an attractive wooden storage box.

MATERIALS



Hardwood

Softwood

MDF

Plywood

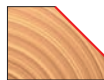
ROUTER BITS

3-Piece Chamfer Bit Set



ROUTER BIT SETS

BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
Item Number 89-250							
Chamfer Bit	40-101	1-1/4"	1/2"	7/8"	22-1/2°	1/2"	2-5/8"
Chamfer Bit	40-114	1-3/4"	1/2"	1/2"	45°	1/2"	2-9/16"
Chamfer Bit	40-206	1-11/32"	1/2"	3/4"	30°	1/2"	2-3/4"



Chamfer Bit Profile



89-250

USE IN



Table Router Hand Router

APPLICATION

Chamfer bits maintain crisp, geometric lines while forming a uniform bevel on the edge of the work piece. Includes 22-1/2°, 30° and 45° chamfer bits and an attractive wooden storage box.

MATERIALS



Hardwood

Softwood

MDF

Plywood



ROUTER BIT SETS



6-Piece Straight Bit Set

USE IN



Table Router Hand Router

APPLICATION

Allows you to make grooves, dadoses, and rabbets. Set includes bits with diameters ranging from 1/4", 3/8", 1/2", 5/8", 3/4", and 1".

MATERIALS



Hardwood



Softwood



MDF



Plywood

ROUTER BITS

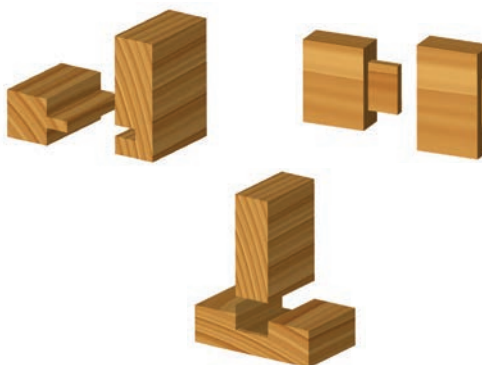
BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
Item Number 91-102					
Double Flute Straight Bit	12-100	1/4"	3/4"	1/2"	2-3/8"
Double Flute Straight Bit	12-108	3/8"	1"	1/2"	2-5/8"
Double Flute Straight Bit	12-116	1/2"	1"	1/2"	2-5/8"
Double Flute Straight Bit	12-136	5/8"	1"	1/2"	2-1/2"
Double Flute Straight Bit	12-152	3/4"	1"	1/2"	2-1/2"
Double Flute Straight Bit	12-172	1"	1-1/4"	1/2"	3"



91-102



Double Flute Straight Bit Profile

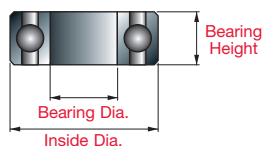
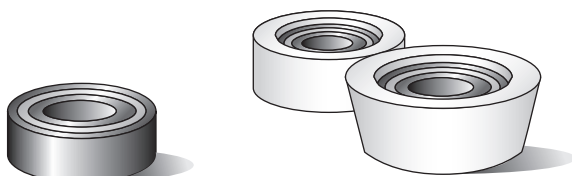
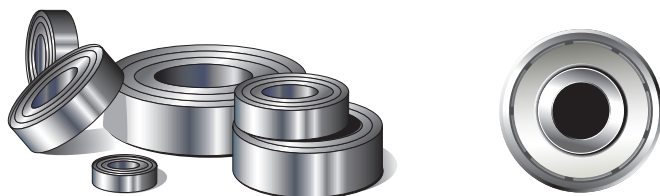


Ball Bearings

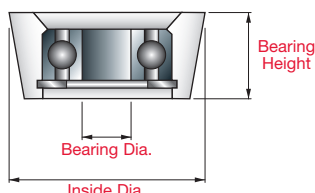
ROUTER BIT SETS

ROUTER BITS

ITEM NUMBER	INSIDE DIA.	BEARING DIA.	BEARING HEIGHT
Individual Bearings			
62-100	1/8"	3/8"	5/32"
62-102	3/16"	3/8"	1/8"
62-103	1/4"	1/2"	3/16"
62-104	3/16"	1/2"	3/16"
62-105	10mm	19mm	7mm
62-106	1/4"	3/4"	9/32"
62-107	5/16"	7/8"	9/32"
62-108	8mm	22mm	7mm
62-109	15mm	35mm	11mm
62-111	15mm	32mm	9mm
62-112	1/4"	5/8"	3/16"
62-113	3/16"	5/8"	3/16"
62-114	1/2"	1-1/8"	5/16"
62-116	1/2"	1-3/8"	7/16"
62-118	10mm	26mm	8mm
Sleeved Specialty Bearings			
62-110	3/16"	3/4"	5/16"
62-120	5/16"	1"	10mm
62-121	5/16"	1-1/4"	10mm
62-122	5/16"	1-1/2"	10mm
62-124	5/16"	26mm	7mm
62-128	5/16"	30mm	7mm
62-136	17mm	2	10mm
62-139	1/2"	1-1/2"	5/16"
62-144	3/16"	3/4"	12mm
62-146	3/16"	7/8"	12mm
62-148	3/16"	1-1/8"	12mm
62-150	3/16"	1-3/8"	12mm
Packages of Bearings			
62-XXX	Assorted Ball Bearing Set Contains: (1) #62-102, (2) #62-104, (1) #62-108, & (1 wrench) #62-402		



Individual Bearings



Sleeved Specialty Bearings

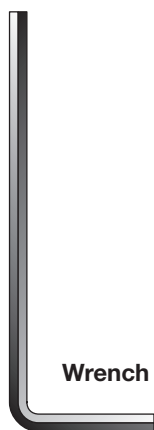
REPLACEMENT PARTS

Repair Parts

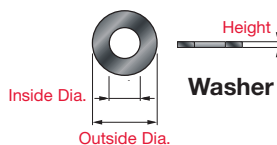
ROUTER BITS

ITEM NO.	DESCRIPTION	OUTSIDE DIA.	HEIGHT	WRENCH SIZE	INSIDE DIA.
62-303	Cap Screw	3mm	6mm	2.5mm	–
62-304	Long Cap Screw	3mm	12mm	2.5mm	–
62-305	Hex Nut	5/16-24UNF	17/64"	1/2"	–
62-306	Medium Cap Screw	3mm	8mm	2.5mm	–
62-307	Washer	–	–	–	3mm
62-309	Washer	–	–	–	5/16"
62-311	Washer	–	–	–	3/8"
62-313	Washer	–	–	–	1/2"
62-321	Flange Bushing	1/4"	3/16"	–	3/16"
62-323	Flange Bushing	5/16"	1/8"	–	3/16"
62-325	Flange Bushing	1/2"	1/8"	–	3/16"
62-331	Lock Collar	15/32"	5/32"	–	1/4"
62-402	Wrench	–	–	2.5mm	–

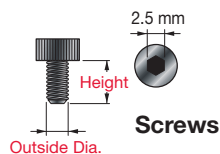
Outside Dia.



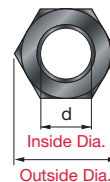
Wrench



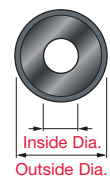
Washer



Screws



Hex Nut



Flange Bushing



Lock Collar

Ball Bearing Replacement Chart

REPLACEMENT PARTS

Ball Bearing Reference Guide For All Other Freud Router Bits

ITEM NO.	BEARING NO.	ITEM NO.	BEARING NO.	ITEM NO.	BEARING NO.	ITEM NO.	BEARING NO.	ITEM NO.	BEARING NO.
16-500	62-103	34-132	62-104	38-622	62-102	48-102	62-104	85-019	62-104
16-502	62-112	34-134	62-104	38-632	62-102	48-112	62-104	85-021	62-106
16-504	62-105	34-136	62-104	39-502	62-105	50-101	62-103	85-023	62-112
16-510	62-105	34-138	62-104	39-504	62-130	50-102	62-103	85-025	62-104
16-522	62-142	34-140	62-104	39-506	62-132	50-103	62-112	85-027	62-106
16-523	62-142	36-100	62-102	39-512	62-105	50-104	62-112	85-029	62-112
16-524	62-142	36-104	62-102	39-514	62-130	50-106	62-105	85-031	62-104
18-508	62-103	36-106	62-102	39-516	62-132	50-122	62-114	99-002	62-104
18-510	62-112	36-108	62-102	39-522	62-105	50-126	62-111	99-003	62-102
18-512	62-106	36-110	62-102	39-524	62-130	50-130	62-139	99-005	62-104
19-506	62-106	36-112	62-102	39-526	62-132	50-138	62-136	99-006	62-104
19-578	62-114	36-114	62-102	39-532	62-105	60-120	62-108	99-008	62-104
20-574	62-114	36-116	62-102	39-534	62-130	60-122	62-108	99-009	62-102
20-502	62-103	36-117	62-102	39-536	62-132	63-100	62-108	99-010	62-104
22-505	62-112	36-118	62-102	39-578	62-140	63-104	62-108	99-011	62-104
22-506	62-105	36-119	62-102	39-580	62-139	63-108	62-108	99-012	62-104
22-507	62-105	36-120	62-102	40-094	62-104	63-109	62-108	99-013	62-104
30-094	62-102	36-122	62-102	40-098	62-104	63-110	62-108	99-014	62-104
30-098	62-102	36-124	62-102	40-100	62-104	63-111	62-108	99-015	62-104
30-100	62-102	36-126	62-102	40-101	62-104	63-112	62-108	99-016	62-104
30-102	62-102	36-127	62-102	40-102	62-104	63-150	62-108	99-020	62-104
30-103	62-104	36-128	62-102	40-104	62-104	63-154	62-108	99-021	62-104
30-104	62-104	36-130	62-102	40-106	62-104	63-156	62-108	99-022	64-104
30-106	62-104	36-132	62-102	40-114	62-104	63-158	62-108	99-023	62-108
30-107	62-104	36-134	62-102	40-118	62-104	63-159	62-108	99-024	62-108
30-108	62-104	36-136	62-102	40-202	62-104	63-160	62-108	99-025	62-108
30-109	62-104	36-138	62-102	40-206	62-104	63-161	62-108	99-027	62-104
30-110	62-104	36-140	62-102	41-102	62-104	63-162	62-108	99-028	62-114
30-111	62-104	38-100	62-102	41-104	62-104	80-102	62-104	99-029	62-108
30-112	62-104	38-102	62-102	41-106	62-104	80-104	62-104	99-030	62-108
30-114	62-104	38-104	62-102	41-108	62-102	80-106	62-104	99-035	62-108
30-202	62-104	38-106	62-102	41-110	62-104	80-108	62-104	99-039	62-109
32-096	62-104	38-152	62-104	41-402	62-112	80-122	62-104	99-041	62-108
32-098	62-104	38-154	62-104	42-080	62-108	80-124	62-104	99-041	62-124
32-100	62-104	38-202	62-102	42-090	62-106	80-126	62-104	99-041	62-128
32-101	62-102	38-204	62-102	42-100	62-102	80-128	62-104	99-044	62-104
32-102	62-104	38-250	62-102	42-102	62-102	80-130	62-104	99-051	62-108
32-106	62-102	38-252	62-102	42-104	62-104	80-552	62-112	99-060	62-104
32-110	62-102	38-260	62-102	42-106	62-104	80-558	62-106	99-061	62-104
32-526	62-505	38-262	62-102	42-108	62-104	80-564	62-106	99-062	62-104
33-106	62-104	38-270	62-104	42-109	62-104	80-572	62-112	99-066	62-104
33-116	62-104	38-280	62-104	42-110	62-104	80-578	62-106	99-250	62-108
34-100	62-104	38-282	62-104	42-114	62-104	80-584	62-106	99-251	62-108
34-104	62-104	38-302	62-102	42-116	62-104	82-510	62-112	99-253	62-108
34-106	62-104	38-304	62-102	42-118	62-106	82-512	62-112	99-260	62-108
34-108	62-104	38-312	62-102	43-106	62-106	82-514	62-106	99-261	62-108
34-110	62-104	38-314	62-102	43-108	62-106	82-515	62-106	99-263	62-108
34-112	62-104	38-352	62-104	43-128	62-106	84-106	62-112	99-288	62-121
34-114	62-104	38-362	62-104	43-204	62-106	84-126	62-112	99-281	62-121
34-116	62-104	38-402	62-104	43-208	62-106	85-001	62-110	99-283	62-121
34-117	62-104	38-452	62-102	43-212	62-106	85-003	62-110	99-442	62-112
34-118	62-104	38-502	62-104	43-216	62-106	85-005	62-110	99-444	62-112
34-119	62-104	38-504	62-104	44-100	62-104	85-007	62-110	99-446	62-104
34-120	62-104	38-522	62-102	44-102	62-104	85-009	62-110	99-450	62-104
34-122	62-104	38-524	62-104	44-104	62-104	85-011	62-106	99-452	62-104
34-124	62-104	38-602	62-102	44-108	62-104	85-013	62-106	99-472	62-104
34-126	62-104	38-612	62-104	45-502	62-132	85-015	62-106	99-PKJ	62-104
34-127	62-104	38-614	62-104	45-522	62-132	85-017	62-112	99-PK1	62-104
34-128	62-104								
34-130	62-104								

Ball Bearing Reference Guide For Quadra-Cut™ 4 Cutter Router Bits

ITEM NO.	BEARING NO.	ITEM NO.	BEARING NO.
34-110	62-113	36-138	62-102
34-112	62-113	36-140	62-102
34-114	62-113	38-100	62-104
34-116	62-104	38-102	62-102
34-117	62-104	38-104	62-113
34-118	62-104	38-106	62-113
34-119	62-104	38-152	62-104
34-120	62-106	38-154	62-104
34-122	62-106	38-172	62-106
34-124	62-106	38-222	62-112
34-126	62-113	38-224	62-104
34-127	62-113	38-312	62-113
34-128	62-104	38-314	62-104
34-130	62-104	38-352	62-113
34-132	62-104	38-362	62-113
34-134	62-104	38-612	62-106
34-136	62-104	38-614	62-106
34-138	62-104	38-632	62-113
34-140	62-104	99-003	62-113
36-110	62-104	99-005	62-106
36-112	62-104	99-006	62-113
36-114	62-104	99-009	62-113
36-116	62-102	99-010	62-113
36-117	62-102	99-011	62-104
36-118	62-102	99-027	62-104
36-119	62-102	99-450	62-104
36-120	62-113	99-452	62-104
36-122	62-112	99-510	62-104
36-122	62-113	99-511	62-104
36-124	62-112	99-512	62-104
36-124	62-113	99-513	62-104
36-126	62-104	99-515	62-104
36-126	62-102	99-516	62-104
36-127	62-104	99-518	62-104
36-128	62-102	99-519	62-104
36-130	62-102	99-520	62-104
36-132	62-102	99-521	62-104
36-134	62-102	99-522	62-104
36-136	62-102	99-523	62-104

ROUTER BITS

SHAPER CUTTERS

Freud's Shaper Cutters and Performance System® Cutters are recognized for their versatility, quality, and innovation. Freud offers the flexibility to choose from a premium cutter that fits every need. The conventional fixed wing shaper cutters and Performance Systems® Cutters with re-sharpenable inserts both feature Freud's exclusive TiCo™ Hi-Density Carbide, Kickback Reducing Design, Shear Angle, and Multi-Axis grinding.

*Freud shaper cutters
– Precisely The Best.*

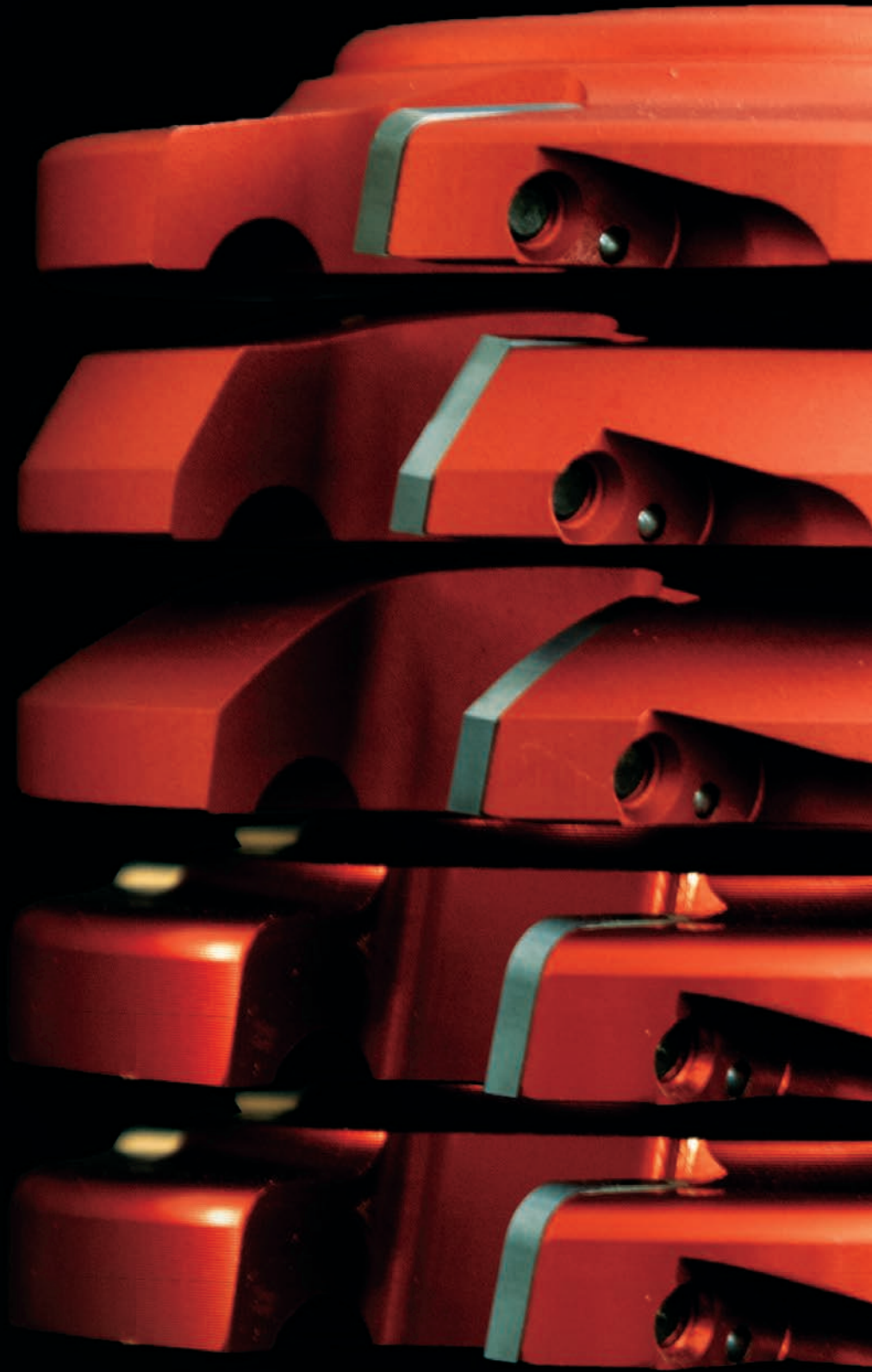




TABLE OF CONTENTS

Fixed Wing Cutters

276-277	Straight Edge Cutter
277	Groovers
278	Wedge Tongue & Groove Cutters
278	Reversible Glue Joint Cutter
279	Glue Joint Cutters
280	Tongue & Groove Lock Miter Cutters
280	Drawer Lock Cutters
281	V Paneling Cutter Set
282-283	Door Lip Cutters
284	Combination 1/4" & 1/2" Round Over Cutters
285	Convex Radius Cutters
286	Concave Radius Cutters
287	Combination Convex & Concave Cutters
288	Roman Ogee Cutters
288-289	Matched Reverse Detail Cutters
290-291	3/4" Stock Male & Female Cabinet Door Cutter Set
292-293	1" Stock Male & Female Door Cutter Set
293-295	1-3/8" Stock Male & Female Interior Door Cutter Set
296-299	1-3/4" Stock Male & Female Exterior Door Cutter Set
300	Freud Innovation - 2+2 Advance Cutter Design
301-303	2+2 Advanced Cutter Design for 5/8" Stock
304	Backcutter for 2+2 Advanced Cutter Design
305-308	2+2 Advanced Cutter Design for 3/4" Stock
309	2+2 Advanced Cutter Design for Double Sided Panels
309	Vertical Raised Panel Cutter
310	Duplex Multi-Profile Raised Panel Cutter

Performance System® Cutters

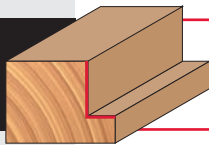
311	Performance Advantage
312-319	RP1000 & RP2000 Panel Raising Systems
313	Profile Knife RP-A
314	Profile Knife RP-A34
314	Profile Knife RP-B
315	Profile Knife RP-B34
315	Profile Knife RP-C
316	Profile Knife RP-C34
316	Profile Knife RP-D
317	Profile Knife RP-D34
317	Profile Knife RP-E
318	Profile Knife RP-E34
319	RP-OPS Back-Cutter for Raised Panels
319	RP-OPB Back-Cutter for Raised Panels
320-339	RS1000 & RS2000 Rail & Stile Door System
322	Profile Knife RS-A Raised Panel Door
323	Profile Knife RS-A Glass Panel Door
324	Profile Knife RS-B Raised Panel Door
325	Profile Knife RS-B Glass Panel Door
326	Profile Knife RS-C Raised Panel Door
327	Profile Knife RS-C Glass Panel Door
328	Profile Knife RS-D Raised Panel Door
329	Profile Knife RS-D Glass Panel Door
330	Profile Knife RS-E Raised Panel Door
331	Profile Knife RS-E Glass Panel Door
332	Profile Knife RS-F Raised Panel Door
333	Profile Knife RS-F Glass Panel Door
334	Profile Knife RS-G Raised Panel Door
335	Profile Knife RS-G Glass Panel Door

336	Profile Knife RS-H Raised Panel Door
337	Profile Knife RS-H Glass Panel Door
338	Profile Knife RS-I Raised Panel Door
339	Profile Knife RS-I Glass Panel Door
340	One Piece Door Edge Profile Cutters
341-346	Two Piece Door Edge Profile Cutters
341	Profile Knife DE32-A
342	Profile Knife DE32-B
342	Profile Knife DE32-C
343	Profile Knife DE32-D
343	Profile Knife DE32-E
344	Profile Knife DE32-F
344	Profile Knife DE32-G
345	Profile Knife DE32-H
345	Profile Knife DE32-I
346	Profile Knife DE32-J
346	Profile Knife DE32-K
346	Profile Knife DE32-L
346	Profile Knife DE32-M
347	Concave Radius Knives & Head
348	Combination QTR Round Convex & Concave

Parts & Accessories

349	Bushing Selection
350	Flange Bushings
350	Center Cutter Bushings
351	Cassette 65 Bushings
351	Woodworking Box Bushings
352	Precision Shim Sets
352	Rub Collar Setup & Selection Chart
353	Ball Bearing Rub Collars
353	Ball Bearing Rub Collars Reference Chart
354	RP2000 Raised Panel System Replacement Knives
355	RS2000 Rail and Stile Door System Replacement Knives
356-357	Carbide Insert Knives
356	Straight Knives - Turnover Knives
357	Straight Cutting Edge with Rounded Corners
357	Cutting Edge with Radius and Standard Corners
357	Cutting Edge with Radius and Corners
358-359	High Speed Steel Industrial Planer & Jointer Knives
359	Biscuit/Plate Joiner Replacement Blade

FIXED WING CUTTER



Straight Edge Cutters

USE IN



Shaper Machine

APPLICATION

Computer balanced for super smooth, chatter-free cutting. Straight profile for making precise rabbets and dados.

MATERIALS



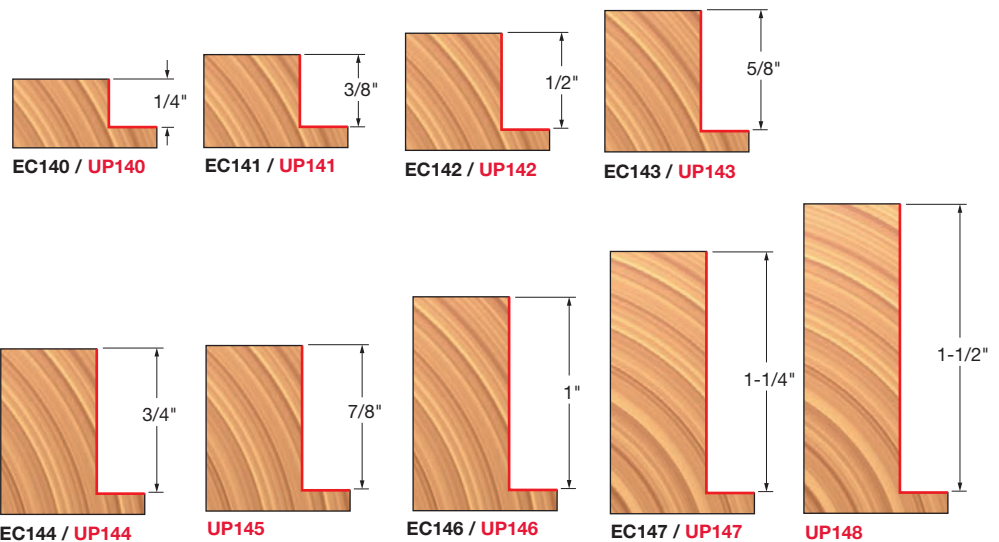
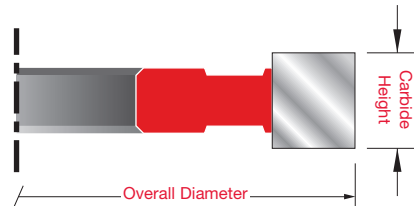
Hardwood

Softwood

MDF

Plywood

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	BORE DIA.	RUB COLLAR NUMBER
EC140	2-7/8"	1/4"	3/4"	RC-003
EC141	2-7/8"	3/8"	3/4"	RC-003
EC142	2-7/8"	1/2"	3/4"	RC-003
EC143	2-7/8"	5/8"	3/4"	RC-003
EC144	2-7/8"	3/4"	3/4"	RC-003
EC146	2-7/8"	1"	3/4"	RC-003
UP140	3-9/16"	1/4"	1-1/4"	RC50#
UP141	3-9/16"	3/8"	1-1/4"	RC50#
UP142	3-9/16"	1/2"	1-1/4"	RC50#
UP143	3-9/16"	5/8"	1-1/4"	RC50#
UP144	3-9/16"	3/4"	1-1/4"	RC50#
UP145	3-9/16"	7/8"	1-1/4"	RC50#
UP146	3-9/16"	1"	1-1/4"	RC50#
UP147	3-9/16"	1-1/4"	1-1/4"	RC50#
UP148	3-9/16"	1-1/2"	1-1/4"	RC50#
UP149	3-9/16"	1-3/4"	1-1/4"	RC50#
UP150	3-9/16"	2"	1-1/4"	RC50#
UP151	3-9/16"	2-1/4"	1-1/4"	RC50#
UP152	3-9/16"	2-1/2"	1-1/4"	RC50#
UP153	3-9/16"	3"	1-1/4"	RC50#



Straight Edge Cutters

CONTINUED

FIXED WING CUTTER

USE IN

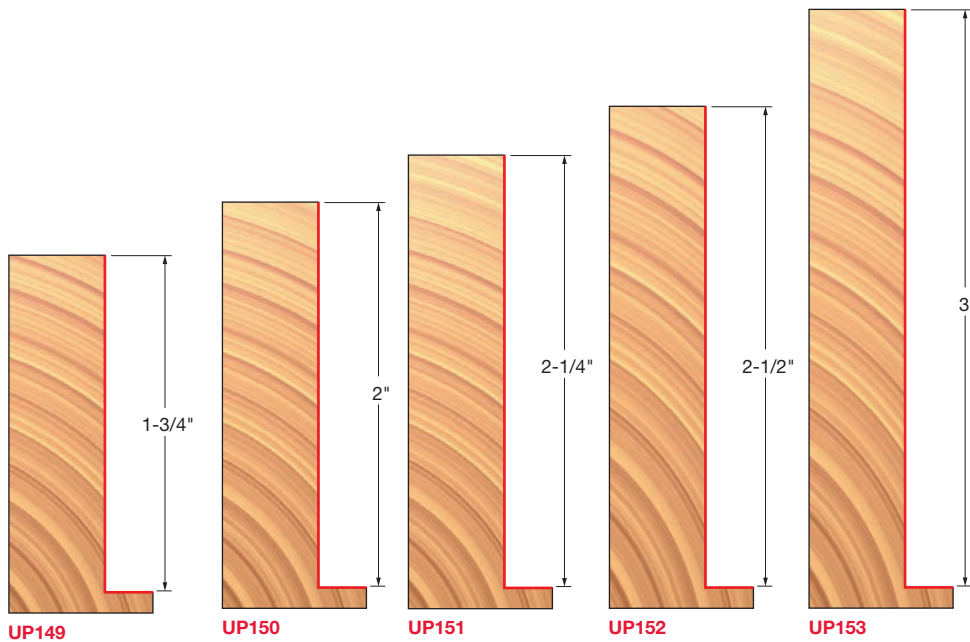


Shaper Machine

APPLICATION

Computer balanced for super smooth, chatter-free cutting. Straight profile for making precise rabbets and dados.

MATERIALS



Groovers

FIXED WING CUTTER

USE IN



Shaper Machine

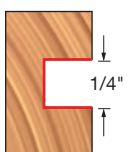
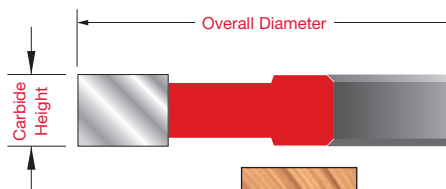
APPLICATION

Excellent for use on shapers and cope spindles of double end tenoners

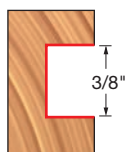
MATERIALS



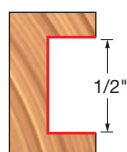
ITEM NUMBER	OVERALL DIA.	NUMBER OF WINGS	CARBIDE HEIGHT	BORE DIA.
UP171	4"	6	1/4"	1-1/4"
UP172	4"	6	3/8"	1-1/4"
UP173	4"	6	1/2"	1-1/4"
UP174	4"	6	3/4"	1-1/4"
UP176	6"	8	1/4"	1-1/4"
UP177	6"	8	3/8"	1-1/4"
UP178	6"	8	1/2"	1-1/4"
UP179	6"	8	3/4"	1-1/4"
UP182	8"	12	3/8"	1-1/4"
UP183	8"	12	1/2"	1-1/4"
UP184	8"	12	3/4"	1-1/4"



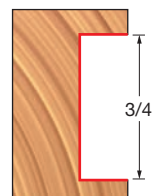
UP171 / UP176



UP172 / UP177 / UP182



UP173 / UP178 / UP183



UP174 / UP179 / UP184

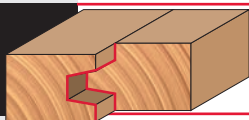
Black Item Numbers Indicate 3/4" Bore

Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

SHAPER CUTTERS

FIXED WING CUTTER



Wedge Tongue & Groove Cutters

USE IN



Shaper Machine

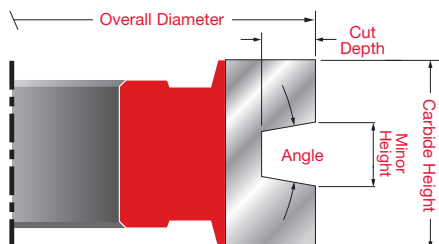
APPLICATION

Increase the amount of gluing area for maximum strength

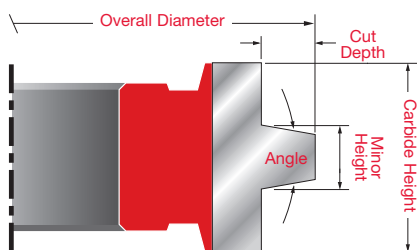
MATERIALS



ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	ANGLE	BORE DIA.
EC032	2-7/8"	5/16"	1-7/64"	3/8"	20°	3/4"
EC033	2-7/8"	5/16"	1-7/64"	3/8"	20°	3/4"
UP032	3-9/16"	5/16"	1-3/32"	3/8"	20°	1-1/4"
UP033	3-9/16"	5/16"	1-3/32"	3/8"	20°	1-1/4"

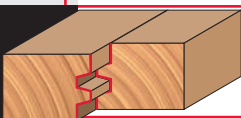


EC032 / UP032



EC033 / UP033

FIXED WING CUTTER



Reversible Glue Joint Cutters

USE IN



Shaper Machine

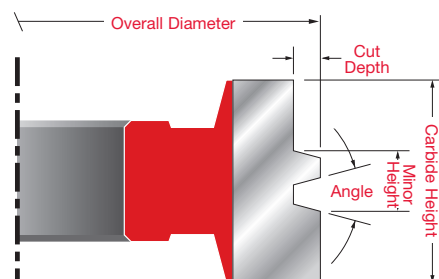
APPLICATION

Produce a strong joint by increasing the surface area for the glue

MATERIALS

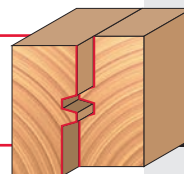


ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	ANGLE	BORE DIAMETER
EC031	2-7/8"	5/32"	1-17/64"	23/64"	30°	3/4"
UP031	3-9/16"	5/32"	1-3/16"	23/64"	30°	1-1/4"



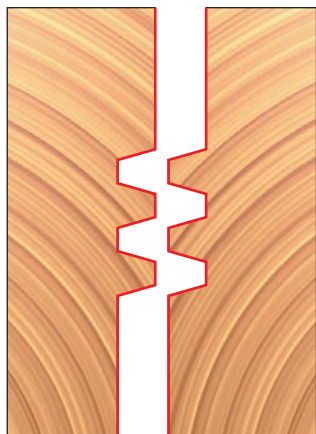
EC031 / UP031

Glue Joint Cutters

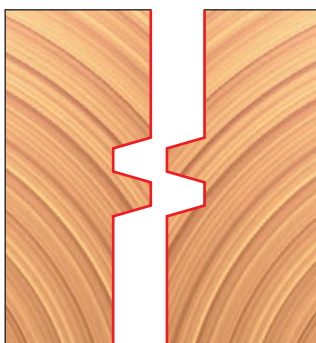
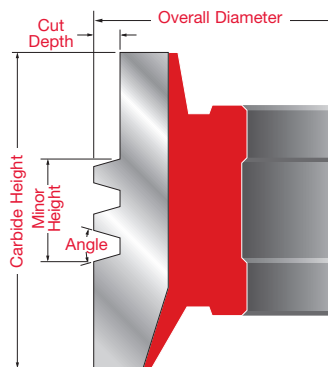


FIXED WING CUTTER

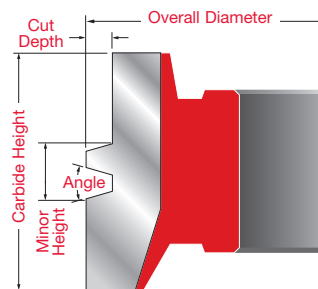
ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	ANGLE	BORE DIAMETER
UP035	3-9/16"	13/64"	2-3/8"	49/64"	32°	1-1/4"
UP037	3-9/16"	13/64"	1-23/32"	13/32"	32°	1-1/4"



UP035



UP037



USE IN



Shaper Machine

APPLICATION

Produce a strong joint by increasing the surface area for the glue

MATERIALS



Hardwood



Softwood



MDF



Plywood

FIXED WING CUTTER

USE IN



Shaper Machine

APPLICATION

Cutters are designed to make lock miter joints easily. Run one board vertically and the second piece horizontally.

MATERIALS



Hardwood

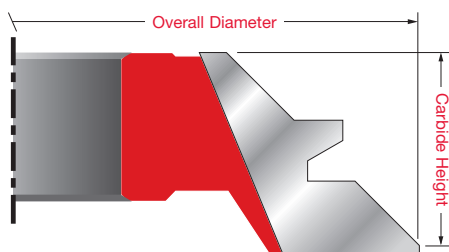
Softwood

MDF

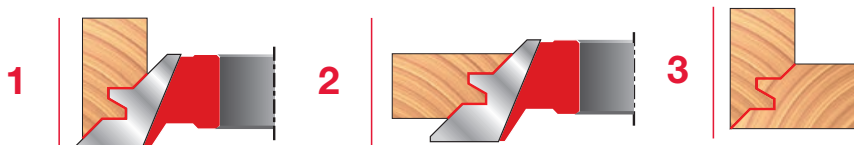
Plywood

Tongue & Groove Lock Miter Cutters

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	BORE DIAMETER
EC034	4-5/32"	1-5/32"	3/4"
UP034	4-3/4"	1-3/16"	1-1/4"



EC034 / UP034



FIXED WING CUTTER

USE IN



Shaper Machine

APPLICATION

Designed for 1/2" and 3/4" thick stock, these cutters provide a strong joint for drawer fronts.

MATERIALS



Hardwood

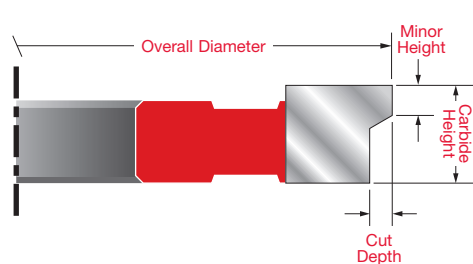
Softwood

MDF

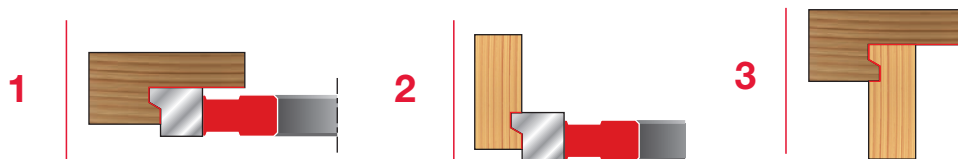
Plywood

Drawer Lock Cutters

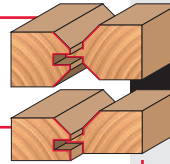
ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	BORE DIAMETER
EC240	2-7/8"	1/8"	33/64"	5/32"	3/4"
UP240	3-15/16"	1/8"	33/64"	5/32"	1-1/4"



EC240 / UP240



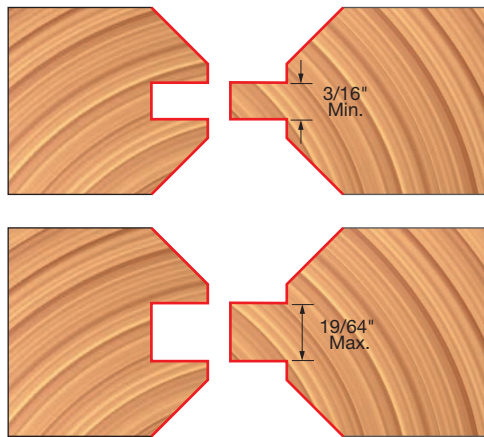
V-Paneling Cutter Sets



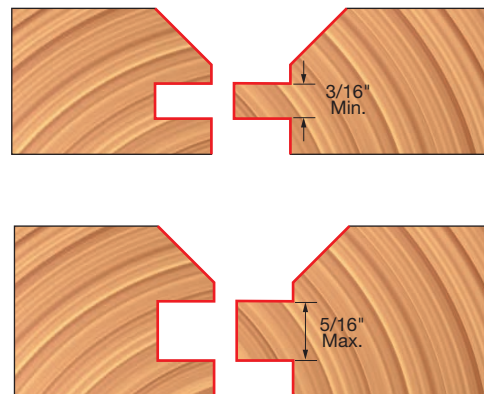
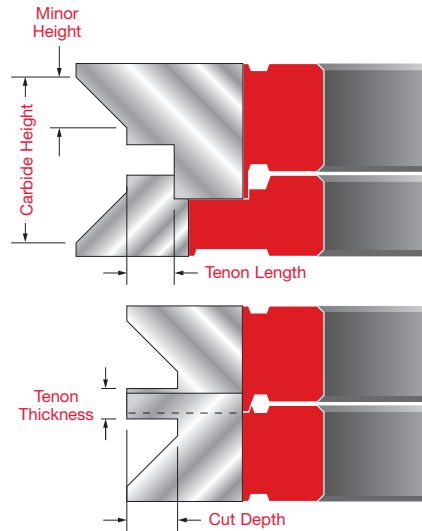
FIXED WING CUTTER

ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	TENON THICKNESS	TENON LENGTH	BORE DIA.
UP190	4-1/8"	19/64"	31/32"-1-5/64"	19/64"	3/16"-19/64"	19/64"	1-1/4"
UP191	4-1/8"	9/32"	1-1/16"-1-3/16"	19/64"	3/16"-5/16"	9/32"	1-1/4"

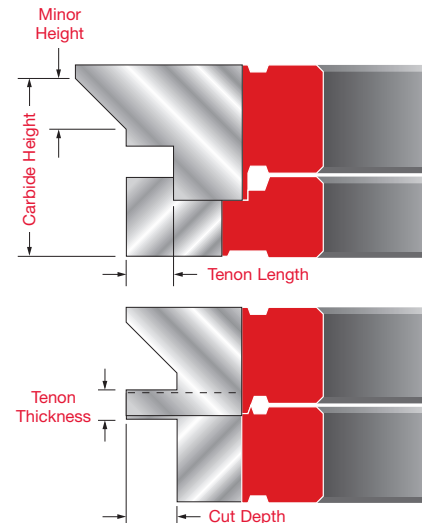
Number of Set: 4



UC190 / UP190



UC191 / UP191



USE IN



Shaper Machine

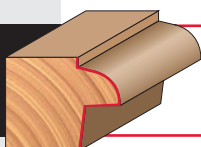
APPLICATION

Produce a strong joint by increasing the surface area for the glue

MATERIALS



FIXED WING CUTTER



Door Lip Cutter

USE IN



Shaper Machine

APPLICATION

Counter-clockwise rotation with the rabbet down, popular with raised panel doors where the panel extends further than the door frame

MATERIALS



Hardwood



Softwood

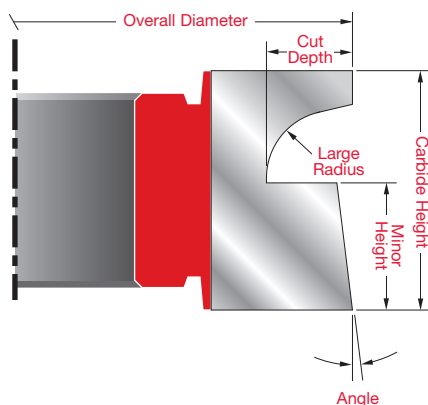


MDF



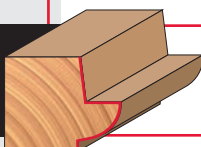
Plywood

ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	ANGLE	BORE DIA.
EC001	2-7/8"	29/64"	1-1/4"	43/64"	23/64"	7°	3/4"
UP001	3-9/16"	29/64"	1-1/4"	43/64"	23/64"	7°	1-1/4"



EC001 / UP001

FIXED WING CUTTER



Door Lip Cutter

USE IN



Shaper Machine

APPLICATION

Clockwise rotation with the rabbet down, popular with raised panel doors where the panel extends further than the door frame

MATERIALS



Hardwood



Softwood

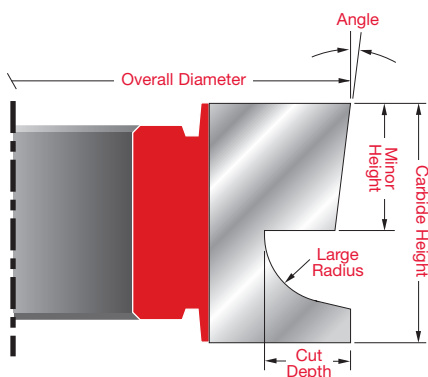


MDF



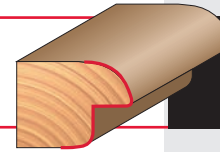
Plywood

ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	ANGLE	BORE DIA.
UP002	3-9/16"	29/64"	1-1/4"	43/64"	23/64"	7°	1-1/4"



UP002

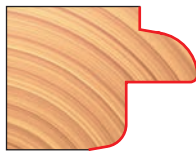
Door Lip Cutters



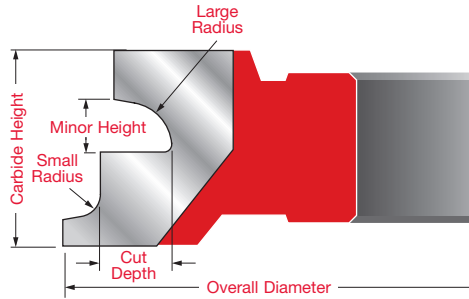
FIXED WING CUTTER

CONTINUED

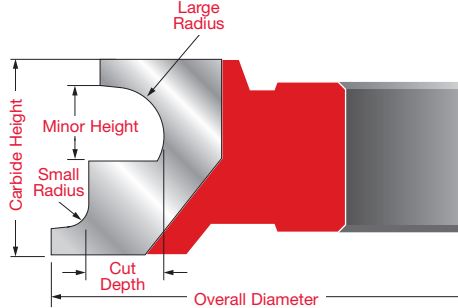
ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	BORE DIA.
UP293	4-21/64"	3/8"	1-1/32"	9/32"	15/64"	1/8"	1-1/4"
UP294	4-21/64"	25/64"	1-1/32"	25/64"	1/4"	1/8"	1-1/4"
UP295	4-21/64"	13/32"	1-1/32"	25/64"	1/8"	1/8"	1-1/4"
UP296	4-21/64"	13/32"	1-1/32"	25/64"	1/8"	5/64"	1-1/4"
UP297	4-21/64"	7/16"	1-1/32"	23/64"	19/32"	1/8"	1-1/4"



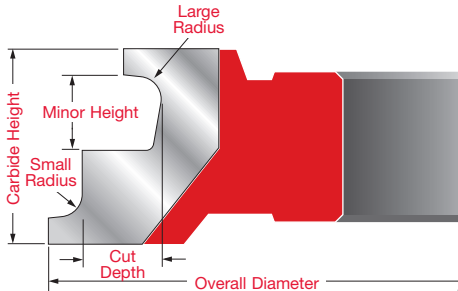
UP293



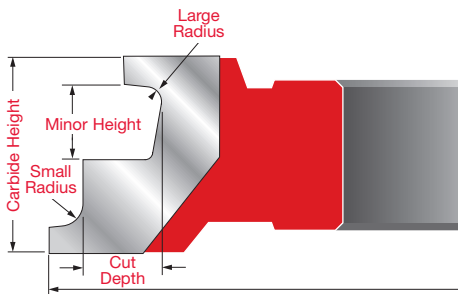
UP294



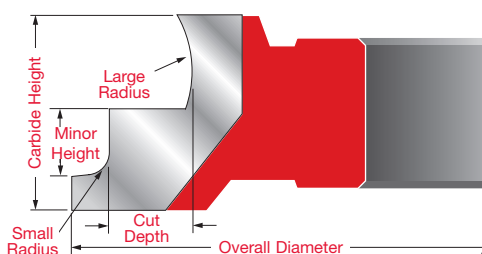
UP295



UP296



UP297



Black Item Numbers
Indicate 3/4" Bore

Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

USE IN



Shaper Machine

APPLICATION

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

MATERIALS



FIXED WING CUTTER

USE IN



Shaper Machine

APPLICATION

Two cutters in one. 1 part is a 1/4" rounding over cutter and 1 is a 1/2" rounding over cutter. These cutters can also be used as a molding profile cutter and a beading cutter.

MATERIALS



Hardwood



Softwood



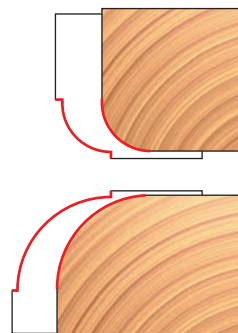
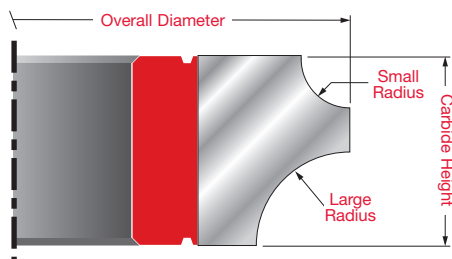
MDF



Plywood

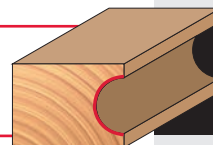
Combination 1/4" & 1/2" Round Over Cutters

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SMALL RADIUS	BORE DIAMETER
EC044	2-7/8"	1"	1/2"	1/4"	3/4"
UP004	3-9/16"	1"	1/2"	1/4"	1-1/4"



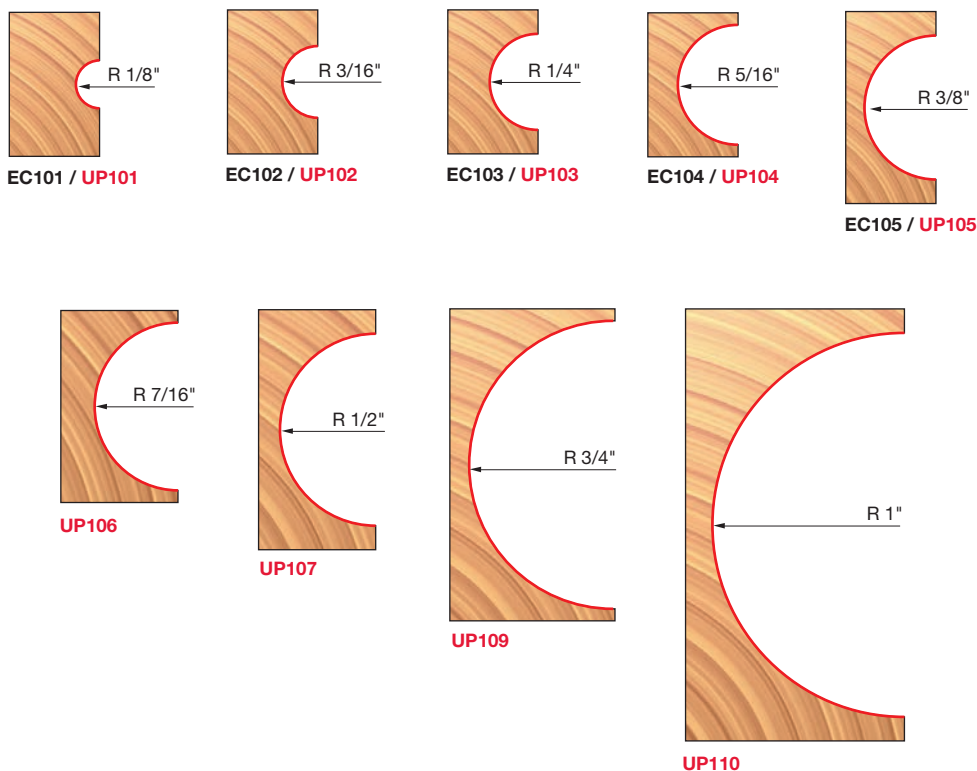
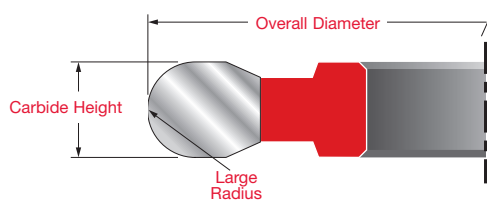
EC044 / UP004

Convex Radius Cutters



FIXED WING CUTTER

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	BORE DIAMETER
EC101	2-7/8"	1/4"	1/8"	3/4"
EC102	2-7/8"	3/8"	3/16"	3/4"
EC103	2-7/8"	1/2"	1/4"	3/4"
EC104	2-7/8"	5/8"	5/16"	3/4"
EC105	2-7/8"	3/4"	3/8"	3/4"
UP101	3-9/16"	1/4"	1/8"	1-1/4"
UP102	3-9/16"	3/8"	3/16"	1-1/4"
UP103	3-9/16"	1/2"	1/4"	1-1/4"
UP104	3-9/16"	5/8"	5/16"	1-1/4"
UP105	3-9/16"	3/4"	3/8"	1-1/4"
UP106	3-9/16"	7/8"	7/16"	1-1/4"
UP107	3-9/16"	1"	1/2"	1-1/4"
UP109	3-5/8"	1-1/2"	3/4"	1-1/4"
UP110	4"	2"	1"	1-1/4"



USE IN



Shaper Machine

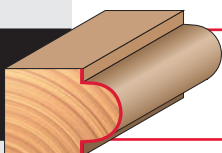
APPLICATION

Computer balanced three-wing cutters can be used for cutting flutes and coves. Available in the most popular sizes for both 3/4" and 1-1/4" bores.

MATERIALS



FIXED WING CUTTER



Concave Radius Cutters

USE IN



Shaper Machine

APPLICATION

Cutting beads and rounding the end of boards. Available in the most popular sizes for both 3/4" and 1-1/4" bores.

MATERIALS



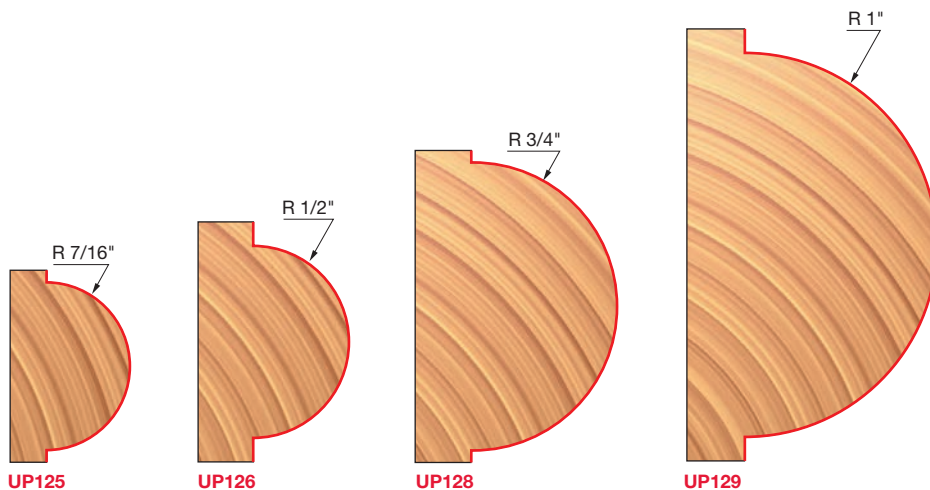
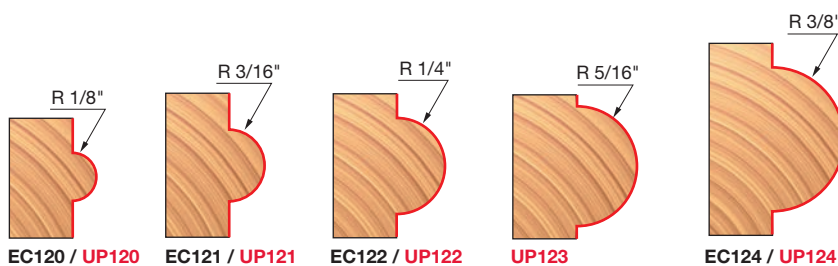
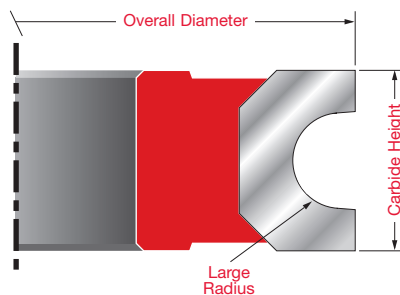
Hardwood

Softwood

MDF

Plywood

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	BORE DIAMETER
EC120	2-7/8"	5/8"	1/8"	3/4"
EC121	2-7/8"	25/32"	3/16"	3/4"
EC122	2-7/8"	15/16"	1/4"	3/4"
EC124	2-7/8"	1-1/4"	3/8"	3/4"
UP120	3-9/16"	21/32"	1/8"	1-1/4"
UP121	3-9/16"	13/16"	3/16"	1-1/4"
UP122	3-9/16"	31/32"	1/4"	1-1/4"
UP123	3-9/16"	1-1/8"	5/16"	1-1/4"
UP124	3-9/16"	1-9/32"	3/8"	1-1/4"
UP125	3-5/8"	1-13/32"	7/16"	1-1/4"
UP126	4"	1-39/64"	1/2"	1-1/4"
UP128	4-11/16"	2-7/64"	3/4"	1-1/4"
UP129	5-1/8"	2-39/64"	1"	1-1/4"



Black Item Numbers
Indicate 3/4" Bore

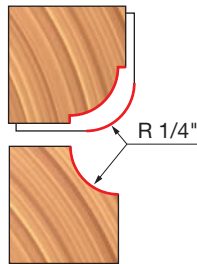
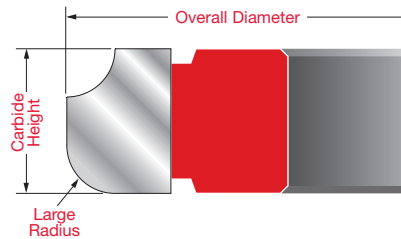
Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

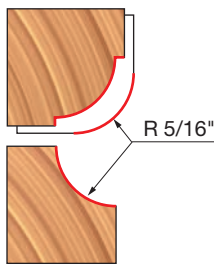
Combination Convex & Concave Cutters

FIXED WING CUTTER

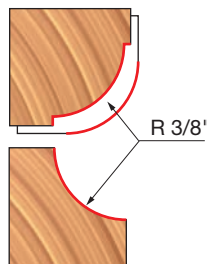
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	BORE DIAMETER
UP132	3-9/16"	3/4"	1/4"	1-1/4"
UP133	3-9/16"	63/64"	5/16"	1-1/4"
UP134	3-9/16"	1-1/64"	3/8"	1-1/4"
UP136	4-1/4"	1-23/64"	1/2"	1-1/4"
UP137	4-11/16"	1-35/64"	5/8"	1-1/4"
UP138	4-11/16"	1-53/64"	3/4"	1-1/4"
UP139	5-1/8"	2-1/4"	1"	1-1/4"



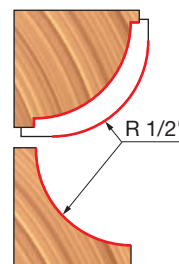
UP132



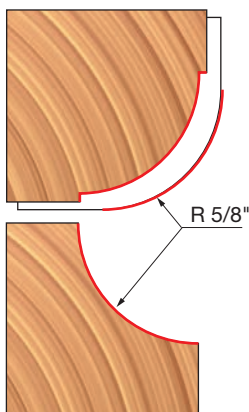
UP133



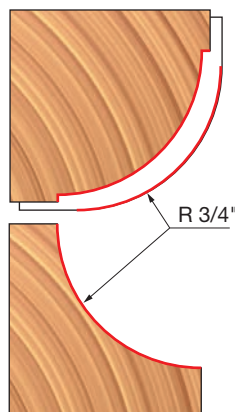
UP134



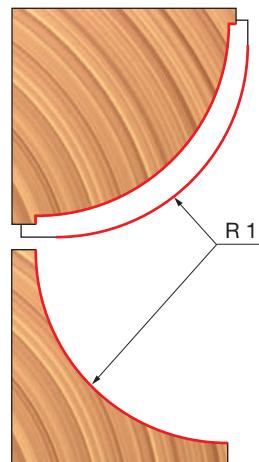
UP135



UP137



UP138



UP139

USE IN



Shaper Machine

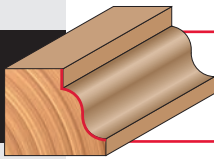
APPLICATION

These cutters offer maximum versatility, by producing half round beads, quarter round beads, coves, and rounding over cuts. These bits are great for making drop leaf tables by creating mating profiles with the use of one cutter.

MATERIALS



FIXED WING CUTTER



Roman Ogee Cutters

USE IN



Shaper Machine

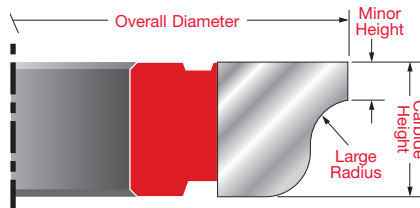
APPLICATION

Creates pattern of edge treatments. The pattern can also be changed by raising or lowering the spindle.

MATERIALS

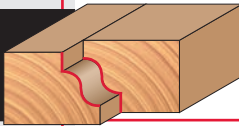


ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	BORE DIAMETER
EC005	2-7/8"	25/32"	9/32"	15/64"	3/4"
UP005	3-5/8"	45/64"	13/64"	15/64"	1-1/4"



EC005 / UP005

FIXED WING CUTTER



Matched Reverse Detail Cutters

USE IN



Shaper Machine

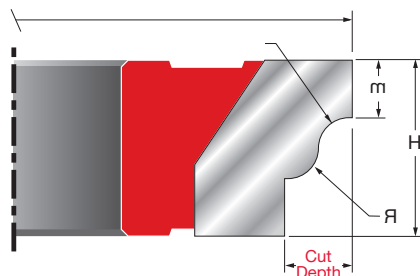
APPLICATION

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

MATERIALS

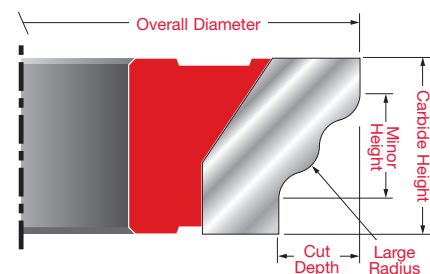


ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SHANK DIA.	BORE DIA.
UP280	3-15/16"	25/64"	1-3/32"	23/64"	11/64"	-	1-1/4"
UP281	3-15/16"	15/32"	1-3/32"	5/16"	5/32"	-	1-1/4"
UP282	3-15/16"	5/8"	1-3/32"	1/2"	15/64"	-	1-1/4"
UP283	3-15/16"	33/64"	63/64"	33/64"	13/64"	-	1-1/4"
UP284	3-15/16"	43/64"	63/64"	33/64"	23/64"	-	1-1/4"
UP285	3-15/16"	63/64"	23/64"	19/32"	15/64"	-	1-1/4"
UP286	3-15/16"	3/4"	63/64"	23/64"	23/64"	-	1-1/4"
UP287	3-15/16"	19/32"	63/64"	3/4"	5/16"	-	1-1/4"
UP288	4-1/8"	5/8"	63/64"	17/64"	-	23°	1-1/4"



UP280

Black Item Numbers Indicate 3/4" Bore

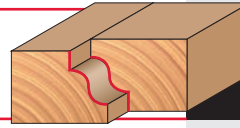


UP281

Red Item Numbers Indicate 1-1/4" Bore

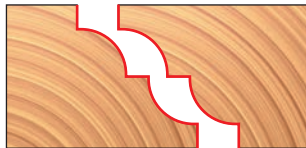
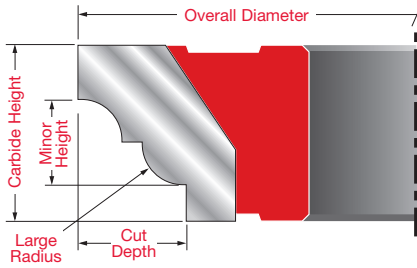
All Profile Drawings 1:1 Scale

Matched Reverse Detail Cutters

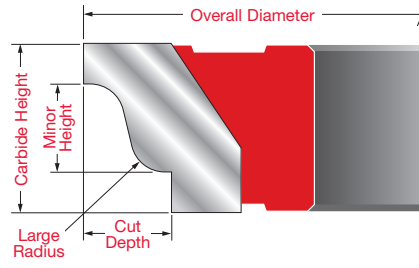


FIXED WING CUTTER

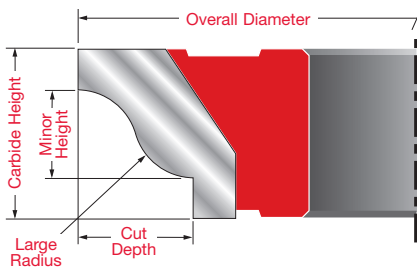
CONTINUED



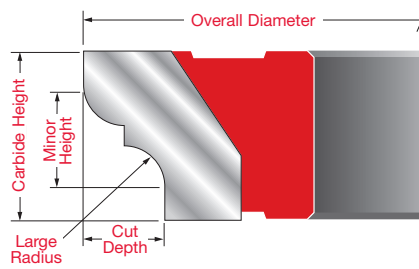
UP282



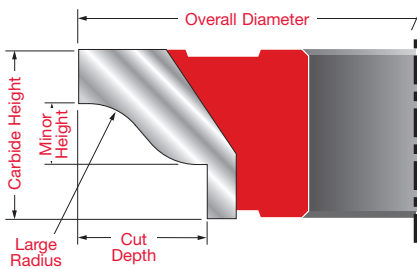
UP283



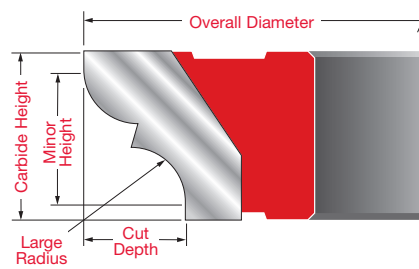
UP284



UP285



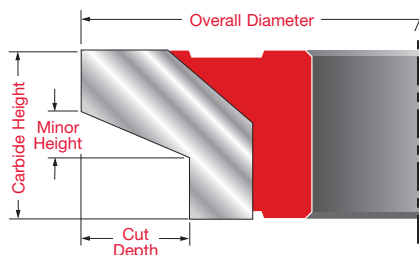
UP286



UP287



UP288



USE IN



Shaper Machine

APPLICATION

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

MATERIALS



Hardwood



Softwood

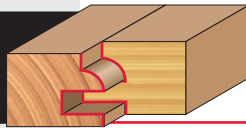


MDF



Plywood

FIXED WING CUTTER



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

USE IN



Shaper Machine

APPLICATION

Perfect for the high production needs of a cabinet or door shop. Shims are included to ensure perfectly fitted joints through many sharpenings.

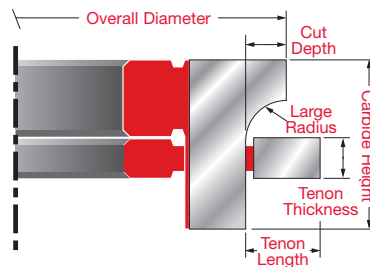
MATERIALS



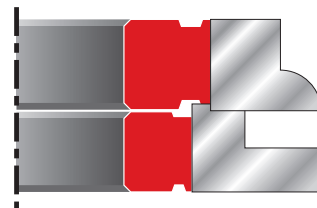
ITEM NO.	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	TENON THICKNESS	TENON LENGTH	LARGE RADIUS	SMALL RADIUS	BORE DIA.	RUB COLLAR NO.
Round Over Profile									
EC260	2-7/16"	15/64"	1"	15/64"	7/16"	15/64"	—	3/4"	RC-001
UP260	3-9/16"	15/64"	1"	15/64"	7/16"	15/64"	—	1-1/4"	RC30#
Roman Ogee Profile									
EC261	2-11/16"	11/32"	1"	15/64"	7/16"	9/32"	11/64"	3/4"	RC-001
UP261	3-9/16"	11/32"	29/32"	15/64"	7/16"	9/32"	11/64"	1-1/4"	RC30#
Ogee Profile (Double Sided)									
UP262	3-9/16"	15/64"	1-1/16"	15/64"	7/16"	1/8"	—	1-1/4"	RC30#
Bead Profile									
EC263	2-11/16"	11/32"	1"	15/64"	7/16"	9/32"	—	3/4"	
UP263	3-9/16"	11/32"	1"	15/64"	7/16"	9/32"	—	1-1/4"	RC30#
Ogee Profile									
UP264	3-9/16"	11/32"	1"	15/64"	7/16"	9/64"	—	1-1/4"	RC30#

Number of Pieces: 4

Round Over Profile

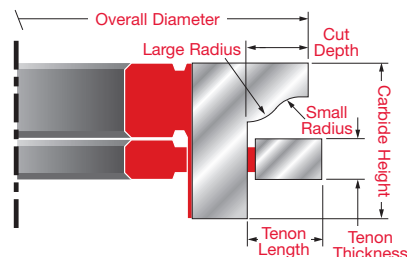


EC260 / UP260

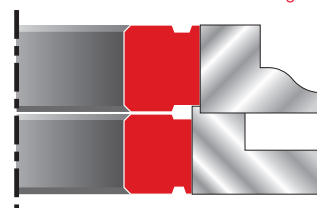


EC260 / UP260

Roman Ogee Bits



EC261 / UP261



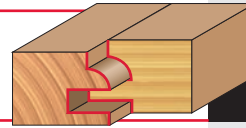
EC261 / UP261

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

Black Item Numbers Indicate 3/4" Bore
Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

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



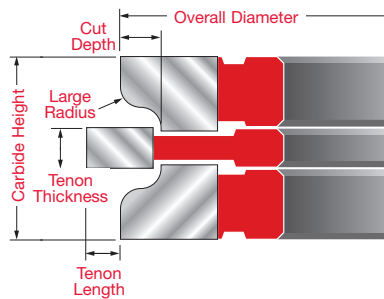
FIXED WING CUTTER

CONTINUED

Ogee Profile (Double Sided)



UP262



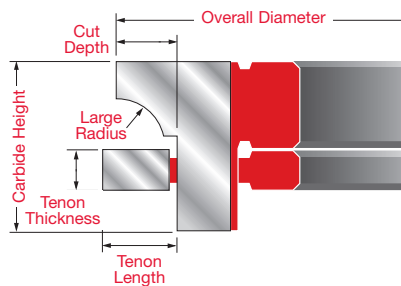
UP262



Bead Profile



EC263 / UP263



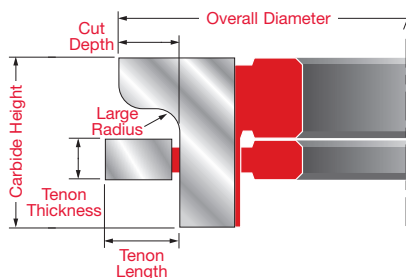
EC263 / UP263



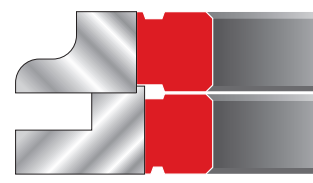
Ogee Profile



UP264



UP264



USE IN



Shaper Machine

APPLICATION

Perfect for the high production needs of a cabinet or door shop. Shims are included to ensure perfectly fitted joints through many sharpenings.

MATERIALS



Hardwood



Softwood



MDF



Plywood

SHAPER CUTTERS

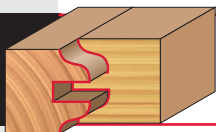
Black Item Numbers
Indicate 3/4" Bore

Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

freud® 291

FIXED WING CUTTER



1" Stock Male & Female Door Cutter Sets

USE IN



Shaper Machine

APPLICATION

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

MATERIALS



Hardwood

Softwood

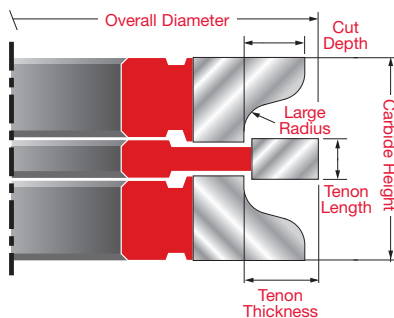
MDF

Plywood

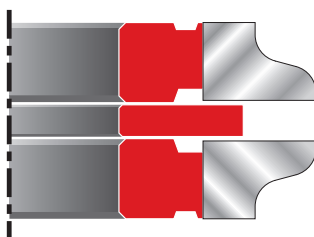
ITEM NO.	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	TENON THICKNESS	TENON LENGTH	LARGE RADIUS	BORE DIA.	RUB COLLAR NO.
Ogee Profile (Double Sided)								
UP268	3-9/16"	23/64"	1-3/16"	15/64"	7/16"	5/32"	1-1/4"	RC30#
Round Over Profile (Double Sided)								
UP266	3-9/16"	15/64"	1-3/16"	15/64"	7/16"	15/64"	1-1/4"	RC30#
UP267	3-9/16"	11/32"	1-11/32"	15/64"	7/16"	9/32"	1-1/4"	RC30#

Number of Pieces: 6

Ogee Over Profile

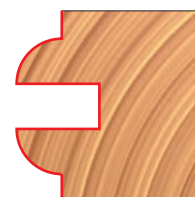
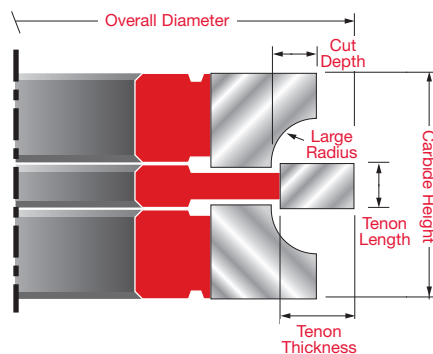


UP268

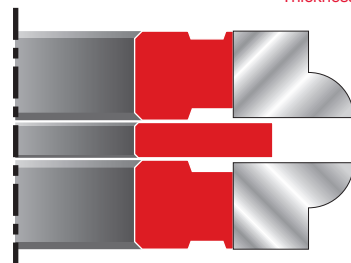


UP268

Round Over Profile



UP266



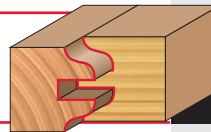
UP266

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

Black Item Numbers Indicate 3/4" Bore
Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

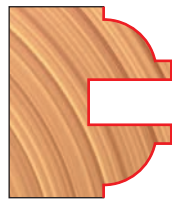
1" Stock Male & Female Door Cutter Sets



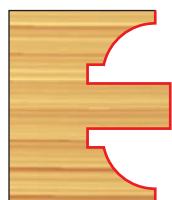
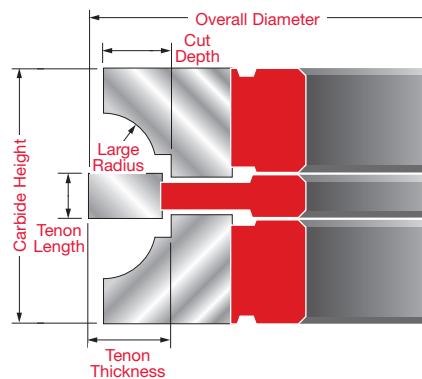
FIXED WING CUTTER

CONTINUED

Round Over Profile



UP267



UP267



USE IN



Shaper Machine

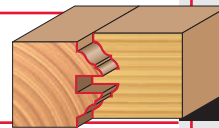
APPLICATION

Creates a molding cut on both sides of the rail and stile. Ideal for lightweight doors or divider screens. Shims are included to ensure perfectly fitted joints through many sharpenings.

MATERIALS



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



FIXED WING CUTTER

ITEM NO.	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	TENON THICKNESS	TENON LENGTH	LARGE RADIUS	BORE DIA.	RUB COLLAR NO.
Classical Profile (Double Sided)									
EC090	2-7/8"	-	23/64"	1-37/64"	15/64"	-	9/64"	3/4"	-
UP090	3-9/16"	-	23/64"	1-27/64"	15/64"	-	1/8"	1-1/4"	-
Classical Cove & Bead Profile (Double Sided)									
UP269	3-9/16"	1-37/64"	7/8"	-	15/64"	33/64"	13/64"	1-1/4"	RC20#
Round Over Profile (Double Sided)									
EC270	2-27/32"	-	1-37/64"	-	15/64"	33/64"	5/16"	3/4"	RC-001
UP270	3-9/16"	-	1-37/64"	-	15/64"	33/64"	5/16"	1-1/4"	RC20#
Ogee Profile (Double Sided)									
UP272	3-9/16"	-	1-1/2"	-	15/64"	17/32"	3/16"	1-1/4"	RC20#

Number of Pieces: 6

USE IN



Shaper Machine

APPLICATION

Creates rail and stile for standard 1-3/8" thick interior doors. Cuts both molding and coping cuts.

MATERIALS

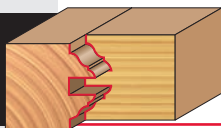


"#" Determines Bore Size
See Bushing & Rub Collars
for Bore Selection

Black Item Numbers Indicate 3/4" Bore
Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

FIXED WING CUTTER



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

CONTINUED

USE IN



Shaper Machine

APPLICATION

Creates rail and stile for standard 1-3/8" thick interior doors. Cuts both molding and coping cuts.

MATERIALS



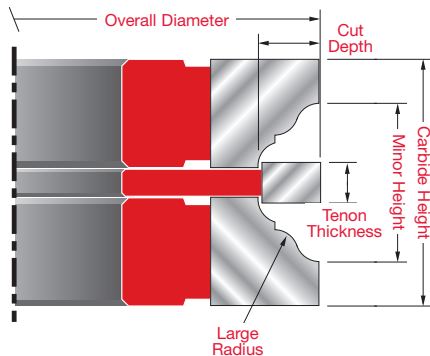
Hardwood

Softwood

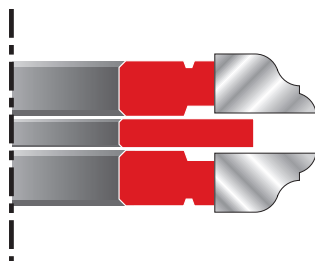
MDF

Plywood

Classical Profile (Double Sided)

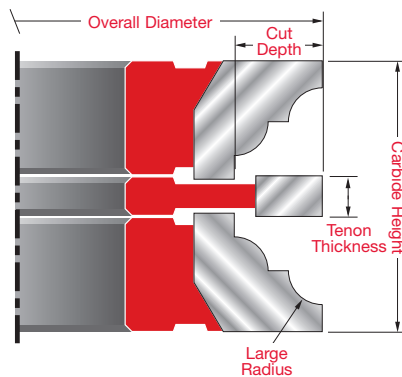


EC090 / UP090

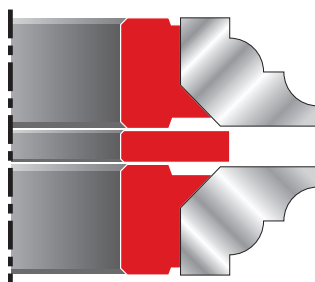


EC090 / UP090

Classical Cove & Bead Profile (Double Sided)



UP269



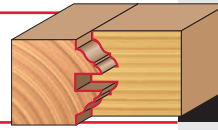
UP269

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

Black Item Numbers Indicate 3/4" Bore
Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

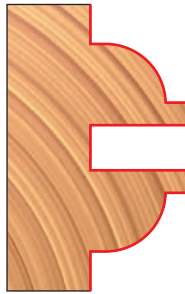
1-3/8" Stock Male & Female Interior Door Cutter Sets



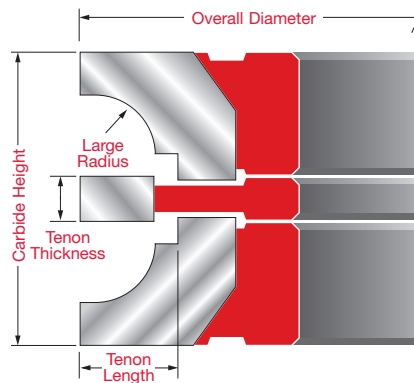
FIXED WING CUTTER

CONTINUED

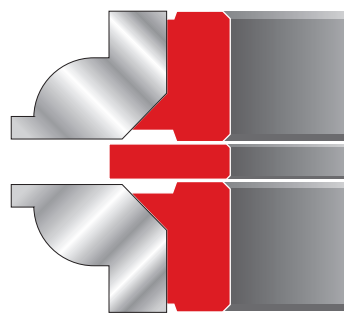
Round Over Profile (Double Sided)



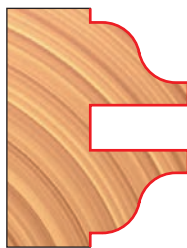
EC270 / U270



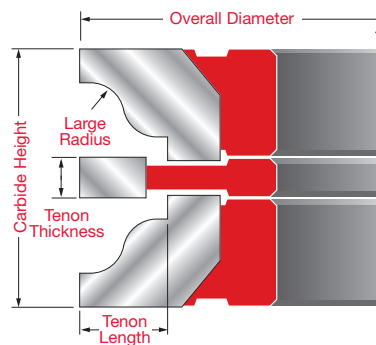
EC270 / U270



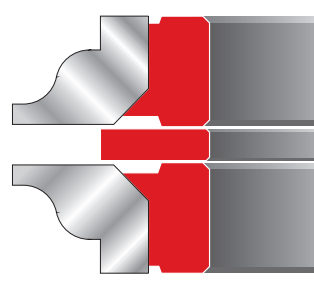
Ogee Profile (Double Sided)



UP272



UP272



USE IN



Shaper Machine

APPLICATION

Creates rail and stile for standard 1-3/8" thick interior doors. Cuts both molding and coping cuts.

MATERIALS



Hardwood



Softwood



MDF



Plywood

SHAPER CUTTERS

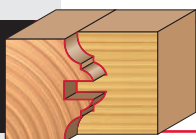
"#" Determines Bore Size
See Bushing & Rub Collars
for Bore Selection

Black Item Numbers Indicate 3/4" Bore
Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

freud® 295

FIXED WING CUTTER



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

USE IN



Shaper Machine

APPLICATION

Creates profile on both sides of the rail and stile. Ideal for exterior doors. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

MATERIALS



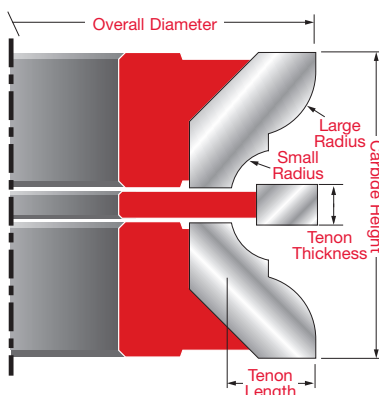
MDF

Plywood

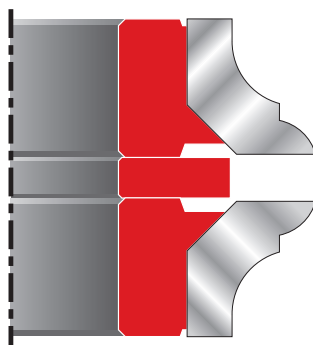
ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	TENON THICKNESS	TENON LENGTH	LARGE RADIUS	SMALL RADIUS	BORE DIA.	RUB COLLAR NO.
Cove & Round Profile (Double Sided)									
EC091	2-7/8"	1-47/64"	-	15/64"	1/2"	21/64"	9/32"	3/4"	-
UP091	3-9/16"	1-47/64"	-	15/64"	1/2"	21/64"	9/32"	1-1/4"	-
Cove & Bead Profile (Double Sided)									
UP273	3-13/16"	1-27/32"	1-29/64"	15/64"	43/64"	21/32"	-	1-1/4"	RC20#
Bead Profile (Double Sided)									
EC274	2-27/32"	1-31/32"	-	15/64"	33/64"	25/64"	-	3/4"	RC-001
UP274	3-9/16"	1-31/32"	-	15/64"	33/64"	25/64"	-	1-1/4"	RC20#
Ogee Profile (Double Sided)									
UP275	3-9/16"	2-3/64"	1-29/64"	15/64"	33/64"	1/4"	-	1-1/4"	RC20#

Number of Pieces: 6

Cove & Bead Profile (Double Sided)



EC091 / UP091



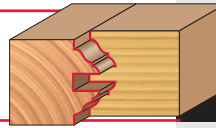
EC091 / UP091

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

Black Item Numbers Indicate 3/4" Bore
Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

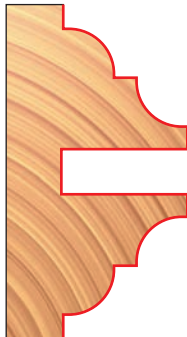
1-3/4" Stock Male & Female Exterior Door Cutter Sets



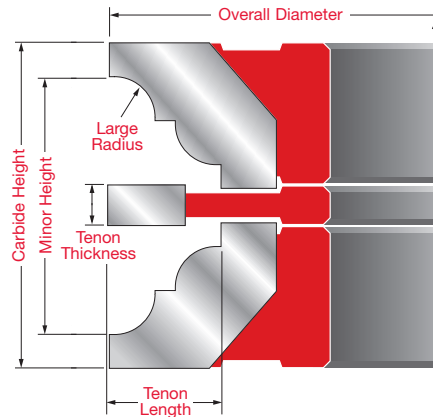
FIXED WING CUTTER

CONTINUED

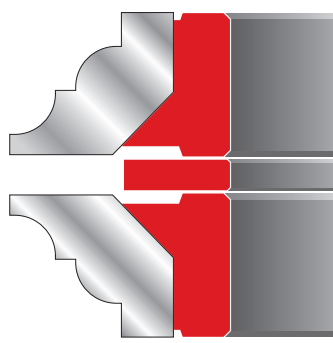
Cove & Bead Profile (Double Sided)



UP273



UP273



USE IN



Shaper Machine

APPLICATION

Creates profile on both sides of the rail and stile. Ideal for exterior doors. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

MATERIALS



Hardwood



Softwood



MDF



Plywood

SHAPER CUTTERS

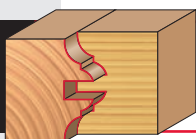
"#" Determines Bore Size
See Bushing & Rub Collars
for Bore Selection

Black Item Numbers Indicate 3/4" Bore
Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

freud® 297

FIXED WING CUTTER



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

CONTINUED

USE IN



Shaper Machine

APPLICATION

Creates profile on both sides of the rail and stile. Ideal for exterior doors. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

MATERIALS



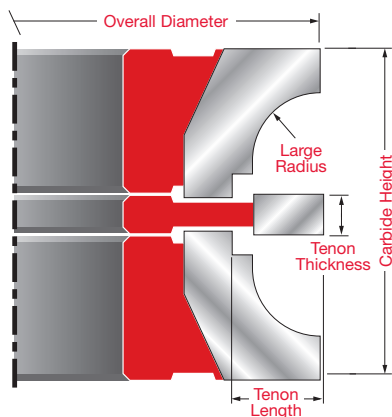
Hardwood

Softwood

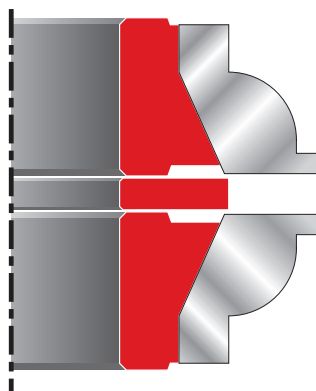
MDF

Plywood

Bead Profile (Double Sided)

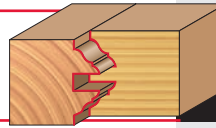


EC274 / UP274



EC274 / UP274

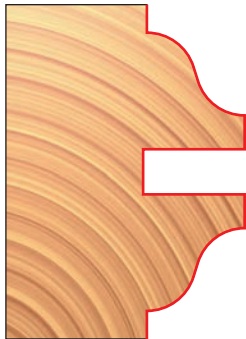
1-3/4" Stock Male & Female Exterior Door Cutter Sets



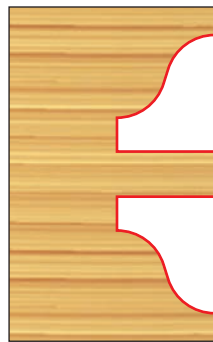
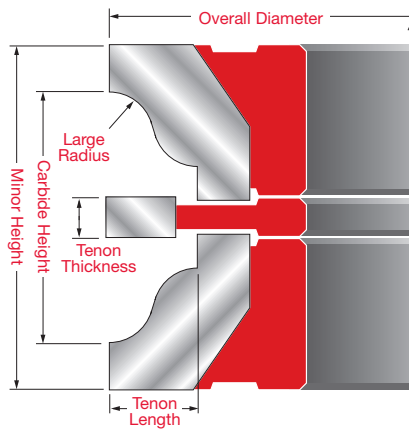
FIXED WING CUTTER

CONTINUED

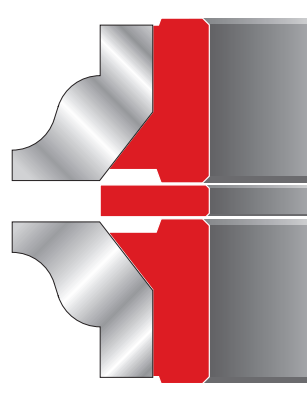
Ogee Profile (Double Sided)



UP275



UP275



USE IN



Shaper Machine

APPLICATION

Creates profile on both sides of the rail and stile. Ideal for exterior doors. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

MATERIALS



Hardwood

Softwood

MDF

Plywood

SHAPER CUTTERS

FREUD INNOVATION

ADVANCED 2+2 CUTTER DESIGN

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



Freud TiCo™ Hi-Density Carbide

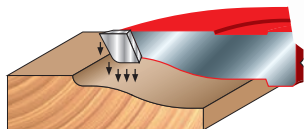
Micro-grain carbide allows for superior finish with a dramatically longer cutting life

Red Hard Anodized Coating

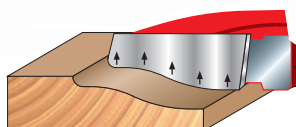
Protective coating protects the aluminum body from abrasion, extending the life of the shaper cutter

Advanced 2+2 Cutter Design

Revolutionary 4-cutter design includes two large cutters that shear upward and two smaller cutters that shear downward to produce splinter free flawless finishes with no rework



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



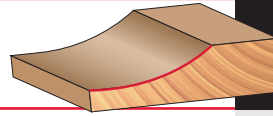
The large wing shears up for a perfect finish on the raised panel profile

Interchangeable Knife Design

Knives are easily interchanged during sharpening for reduced tooling costs and minimal downtime



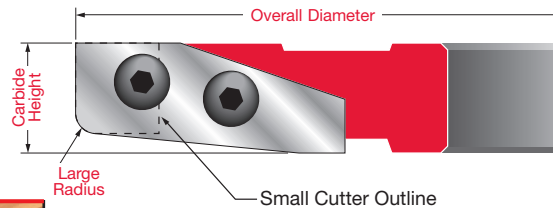
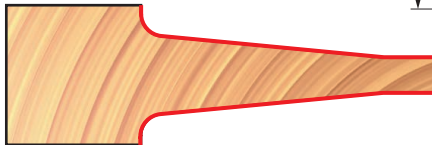
2+2 Advanced Cutter Design For 5/8" Stock



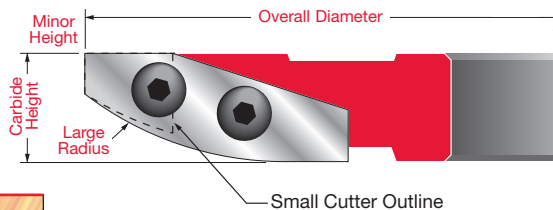
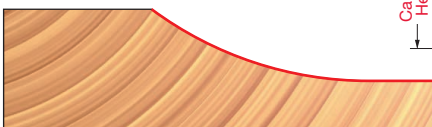
CARBIDE INSERT CUTTER

ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	ANGLE	BORE DIA.	RUB COLLAR NO.	REPLACEMENT KNIFE KIT
UP016-IC	5-1/2"	7/8"	—	1-29/32"	—	—	1-1/4"	—	ICK-U016*
UC200-IC	4-15/16"	5/8"	15/64"	1-29/32"	—	—	3/4"	RC-002	ICK-U200*
UP200-IC	5-1/2"	5/8"	15/64"	1-29/32"	—	—	1-1/4"	RC10#	ICK-U200*
UC201-IC	4-15/16"	5/8"	23/64"	—	—	12°	3/4"	RC-002	ICK-U201*
UP201-IC	5-1/2"	5/8"	23/64"	—	—	12°	1-1/4"	RC10#	ICK-U201*
UC202-IC	4-15/16"	33/64"	—	1/8"	—	12°	3/4"	RC-002	ICK-U202*
UP202-IC	5-1/2"	5/8"	3/8"	1/8"	—	—	1-1/4"	RC10#	ICK-U202*
UC203-IC	4-15/16"	5/8"	3/8"	1-9/16"	1/8"	—	3/4"	RC-002	ICK-U203*
UP203-IC	5-1/2"	5/8"	3/8"	1-9/16"	1/8"	—	1-1/4"	RC10#	ICK-U203*
UC204-IC	4-15/16"	5/8"	5/32"	9/16"	—	7°	3/4"	RC-002	ICK-U204*
UP204-IC	5-1/2"	5/8"	5/32"	9/16"	—	7°	1-1/4"	RC10#	ICK-U204*
UP205-IC	5-1/2"	5/8"	9/64"	1/8"	—	—	1-1/4"	RC10#	ICK-U205*
UP206-IC	5-1/2"	7/8"	—	9/64"	—	—	1-1/4"	—	ICK-U206*
UC207-IC	4-15/16"	5/8"	3/8"	5/32"	—	4°	3/4"	RC-002	ICK-U207*
UP207-IC	5-1/2"	5/8"	3/8"	5/32"	—	4°	1-1/4"	RC10#	ICK-U207*
UC208-IC	4-15/16"	5/8"	13/32"	1-5/16"	1-15/16"	28°	3/4"	RC-002	ICK-U208*
UP208-IC	5-1/2"	5/8"	13/32"	1-5/16"	1-15/16"	28°	1-1/4"	RC10#	ICK-U208*

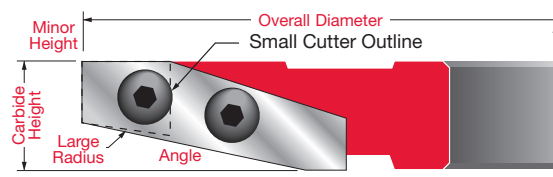
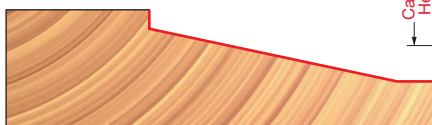
UP016-IC



UC200-IC / UP200-IC



UC201-IC / UP201-IC



USE IN



Shaper Machine

APPLICATION

Designed for 5/8" thick panels

All 1-1/4" bore cutters can be used with back-cutters UP230-IC and UP231-IC when using 3/4" stock

All 3/4" bore cutters can be used with back-cutters UC230-IC and UC231-IC when using with 3/4" stock

MATERIALS



SHAPER CUTTERS

Replacement Parts Kit
U_IC_SPARE—
includes screws,
washers, wrench



Replacement Knife Kit
includes all knives needed

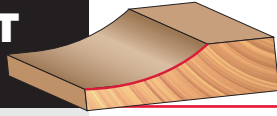
"#" Determines Bore Size
See Bushing & Rub Collars
for Bore Selection

Black Item Numbers Indicate 3/4" Bore
Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

freud® 301

CARBIDE INSERT CUTTER



2+2 Advanced Cutter Design For 5/8" Stock

CONTINUED

USE IN



Shaper Machine

APPLICATION

Designed for 5/8" thick panels

All 1-1/4" bore cutters can be used with back-cutters UP230-IC and UP231-IC when using 3/4" stock

All 3/4" bore cutters can be used with back-cutters UC230-IC and UC231-IC when using with 3/4" stock

MATERIALS



Hardwood



Softwood

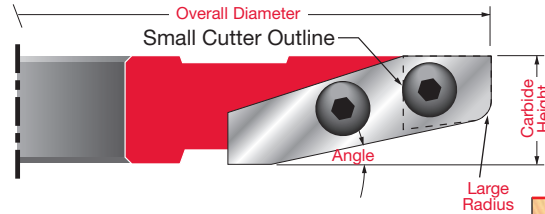


MDF

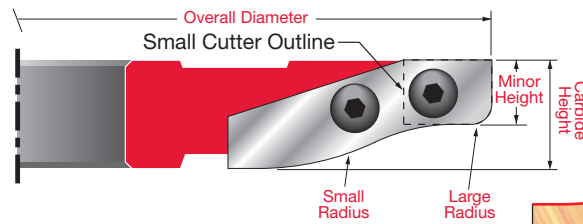
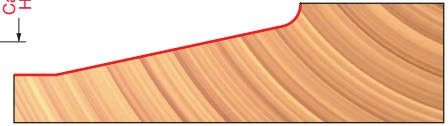


Plywood

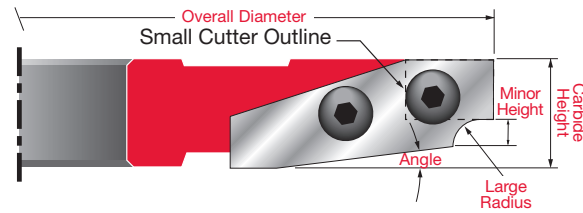
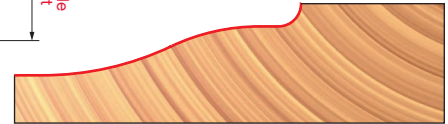
SHAPER CUTTERS



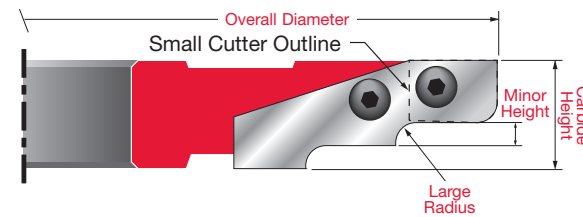
UC202-IC / UP202-IC



UC203-IC / UP203-IC



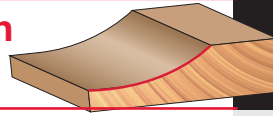
UC204-IC / UP204-IC



UP205-IC



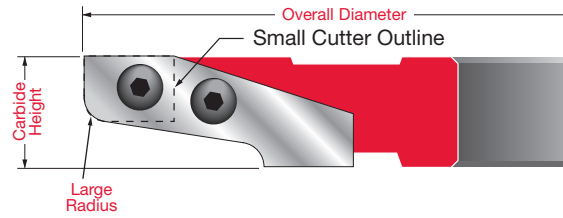
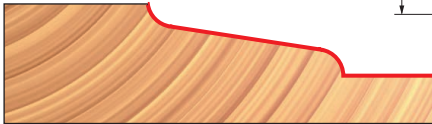
2+2 Advanced Cutter Design For 5/8" Stock



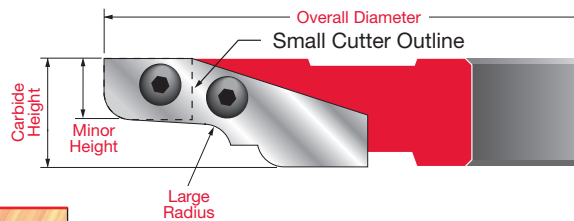
CARBIDE INSERT CUTTER

CONTINUED

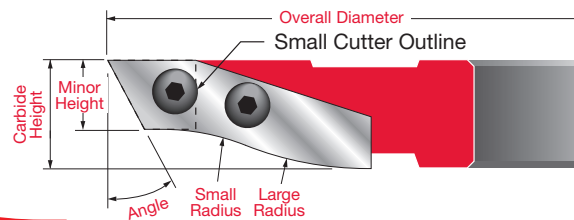
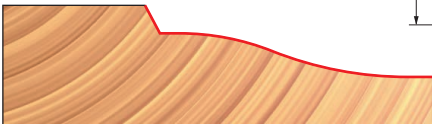
UP206-IC



UC207-IC / UP207-IC



UC208-IC / UP208-IC



USE IN



Shaper Machine

APPLICATION

Designed for 5/8" thick panels

All 1-1/4" bore cutters can be used with back-cutters UP230-IC and UP231-IC when using 3/4" stock

All 3/4" bore cutters can be used with back-cutters UC230-IC and UC231-IC when using with 3/4" stock

MATERIALS



Hardwood



Softwood



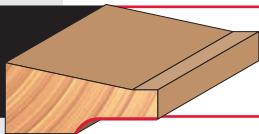
MDF



Plywood

SHAPER CUTTERS

CARBIDE INSERT CUTTER



Backcutter For 2+2 Advanced Cutter Design

USE IN



Shaper Machine

APPLICATION

Designed to be used with Freud's 2+2 advanced cutter when cutting 3/4" stock

Use the 1-1/4" bore cutters with Panel Cutters UP200-IC through UP208-IC

Use 3/4" bore cutters with Panel Cutters UC200-IC through UC208-IC

These cutters leave a decorative profile on the back side of the panel making the panel flush with both the front and back of the rails and stiles

MATERIALS



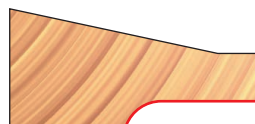
Hardwood

Softwood

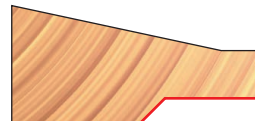
MDF

Plywood

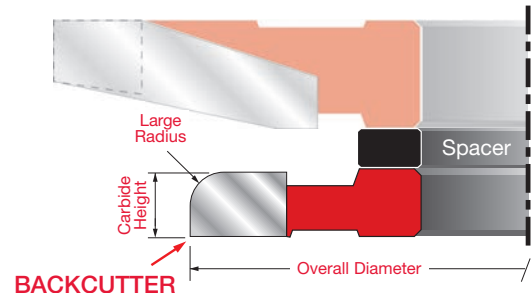
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	ANGLE	OVERALL LENGTH	REPLACEMENT KNIVES
UC230-IC	3-11/32"	3/8"	13/64"	—	3/4"	ICK-U230
UP230-IC	3-15/16"	3/8"	13/64"	—	1-1/4"	ICK-U230
UC231-IC	3-45/64"	3/8"	—	45°	3/4"	ICK-U231
UP231-IC	4-9/32"	3/8"	—	45°	1-1/4"	ICK-U231



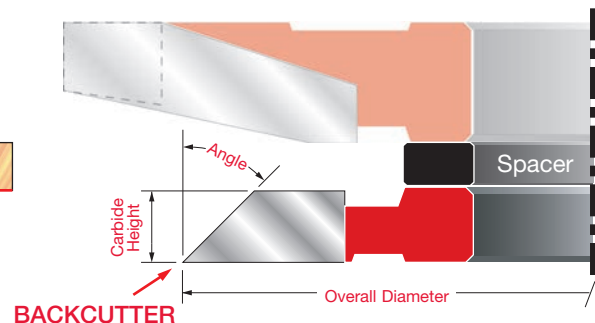
UC230-IC / UP230-IC



UC231-IC / UP231-IC

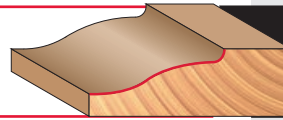


BACKCUTTER



BACKCUTTER

2+2 Advanced Cutter Design For 3/4" Stock



CARBIDE INSERT CUTTER

ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	ANGLE	BORE DIA.	RUB COLLAR NO.	REPLACEMENT KNIVES
UC209-IC	4-15/16"	43/64"	1/8"	1-57/64"	-	-	3/4"	RC-002	ICK-U209
UP209-IC	5-1/2"	5/8"	5/64"	1-57/64"	-	-	1-1/4"	RC10#	ICK-U209
UC210-IC	4-15/16"	23/32"	23/64"	1-15/32"	1/8"	-	3/4"	RC-002	ICK-U210
UP210-IC	5-1/2"	5/8"	9/32"	1-15/32"	1/8"	-	1-1/4"	RC10#	ICK-U210
UC211-IC	4-15/16"	5/8"	15/64"	-	-	17°	3/4"	RC-002	ICK-U211
UP211-IC	5-1/2"	5/8"	15/64"	-	-	17°	1-1/4"	RC10#	ICK-U211
UC212-IC	4-15/16"	17/32"	-	13/64"	-	13°	3/4"	RC-002	ICK-U212
UP212-IC	5-1/2"	5/8"	-	13/64"	-	13°	1-1/4"	RC10#	ICK-U212
UC213-IC	4-15/16"	11/16"	21/64"	1-31/32"	1-3/8"	23°	3/4"	RC-002	ICK-U213
UP213-IC	5-1/2"	5/8"	9/32"	1-31/32"	1-3/8"	23°	1-1/4"	RC10#	ICK-U213
UP214-IC	5-1/2"	5/8"	21/64"	13/64"	1/8"	-	1-1/4"	RC10#	ICK-U214
UC215-IC	4-15/16"	5/8"	15/64"	13/64"	-	10°	3/4"	RC-002	ICK-U215
UP215-IC	5-1/2"	5/8"	15/64"	13/64"	-	10°	1-1/4"	RC10#	ICK-U215
UP216-IC	5-1/2"	5/8"	1/4"	9/64"	-	-	1-1/4"	RC10#	ICK-U216
UP217-IC	5-1/2"	7/8"	-	11/64"	9/64"	-	1-1/4"	-	ICK-U217
UP218-IC	5-1/2"	5/8"	1/4"	5/32"	9/64"	-	1-1/4"	RC10#	ICK-U218
UP219-IC	5-1/2"	7/8"	-	1/8"	-	-	1-1/4"	-	ICK-U219
UP220-IC	5-1/2"	7/8"	-	9/32"	5/32"	-	1-1/4"	-	ICK-U220
UC221-IC	4-15/16"	5/8"	15/64"	9/64"	1/8"	4°	3/4"	RC-002	ICK-U221
UP221-IC	5-1/2"	5/8"	15/64"	9/64"	1/8"	4°	1-1/4"	RC10#	ICK-U221
UP222-IC	5-1/2"	7/8"	-	1/8"	-	-	1-1/4"	-	ICK-U222
UC223-IC	4-15/16"	5/8"	13/64"	5/32"	1/8"	10°	3/4"	RC-002	ICK-U223
UP223-IC	5-1/2"	5/8"	13/64"	5/32"	1/8"	10°	1-1/4"	RC10#	ICK-U223

USE IN



Shaper Machine

APPLICATION

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

MATERIALS



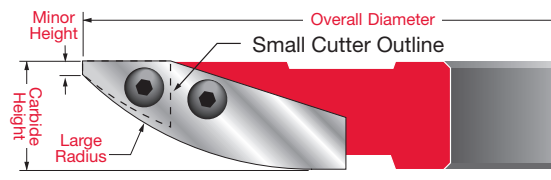
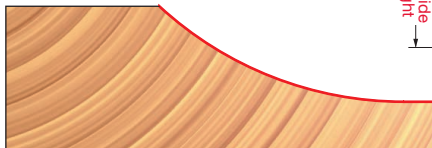
Hardwood

Softwood

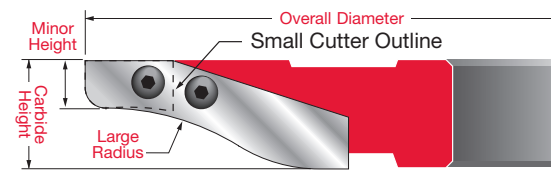
MDF

Plywood

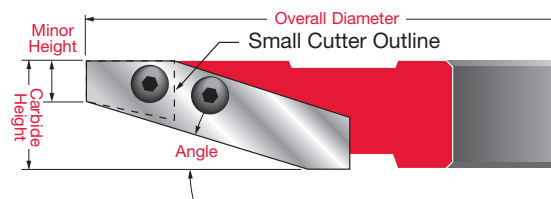
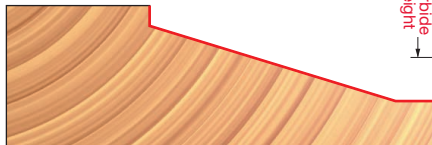
UC209-IC / UP209-IC



UC210-IC / UP210-IC



UC211-IC / UP211-IC

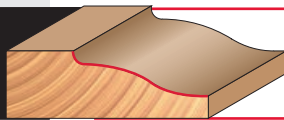


"#" Determines Bore Size
See Bushing & Rub Collars
for Bore Selection

Black Item Numbers Indicate 3/4" Bore
Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

CARBIDE INSERT CUTTER



2+2 Advanced Cutter Design For 3/4" Stock

CONTINUED

USE IN



Shaper Machine

APPLICATION

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

MATERIALS



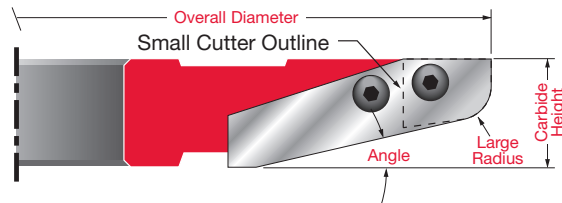
Hardwood

Softwood

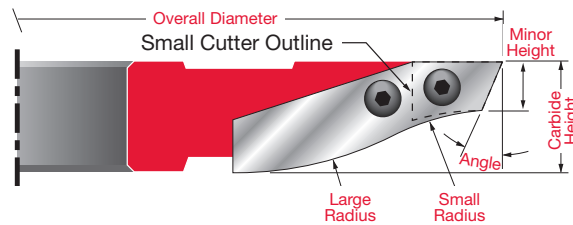
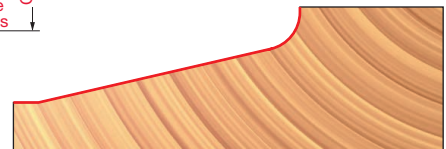
MDF

Plywood

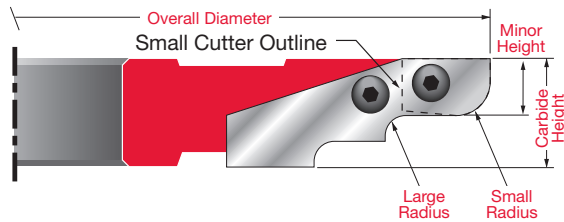
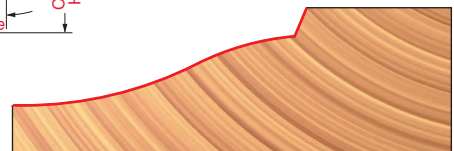
SHAPER CUTTERS



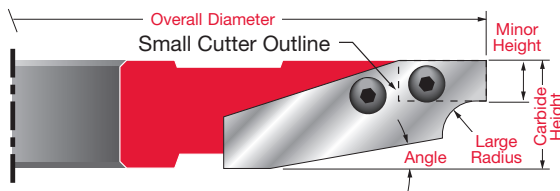
UC212-IC / UP212-IC



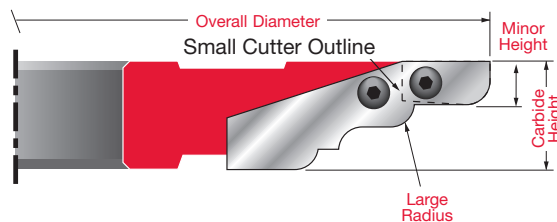
UC213-IC / UP213-IC



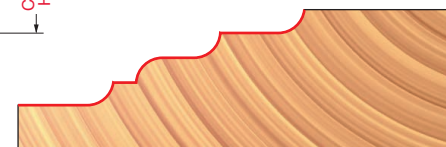
UP214-IC



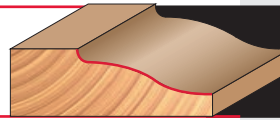
UC215-IC / UP215-IC



UP216-IC



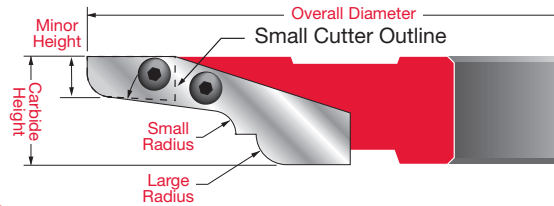
2+2 Advanced Cutter Design For 3/4" Stock



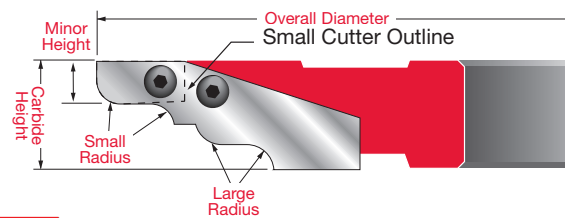
CARBIDE INSERT CUTTER

CONTINUED

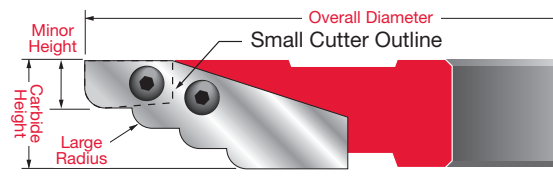
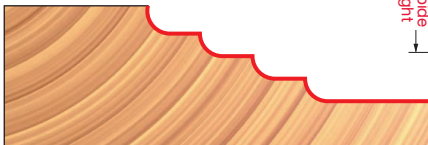
UP217-IC



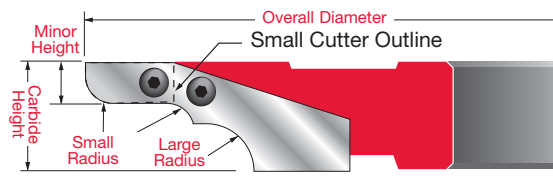
UP218-IC



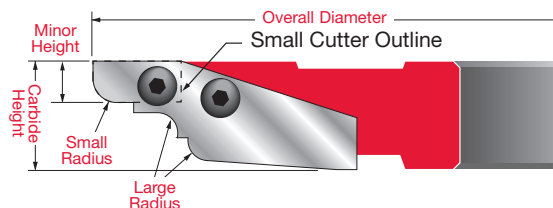
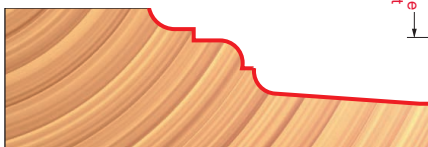
UP219-IC



UP220-IC



UC221-IC / UP221-IC



USE IN



Shaper Machine

APPLICATION

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

MATERIALS



Hardwood



Softwood



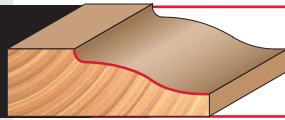
MDF



Plywood

SHAPER CUTTERS

CARBIDE INSERT CUTTER



2+2 Advanced Cutter Design For 3/4" Stock

CONTINUED

USE IN



Shaper Machine

APPLICATION

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

MATERIALS



Hardwood

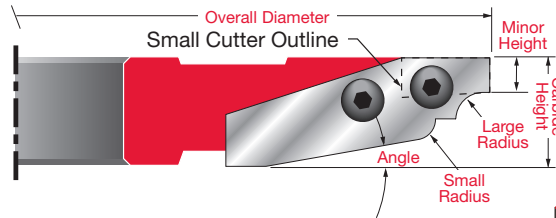
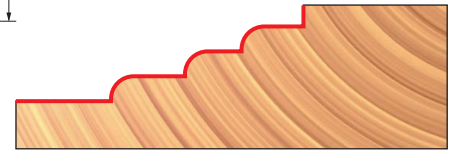
Softwood

MDF

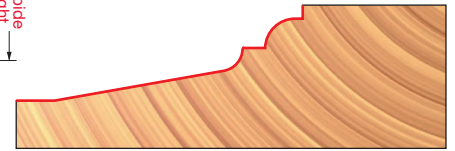
Plywood



UP222-IC



UC223-IC / UP223-IC



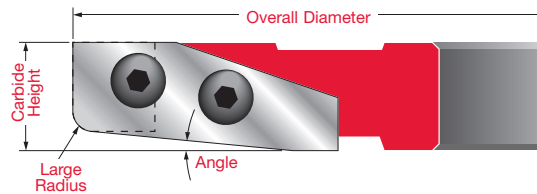
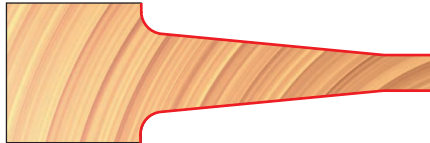
2+2 Advanced Cutter Design For Double-Sided Panels



CARBIDE INSERT CUTTER

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	ANGLE	BORE DIA.
UP016	5-1/2"	5/8"	1/8"	6°	1-1/4"

UP016



USE IN



Shaper Machine

APPLICATION

Ideal for double-sided raised panel interior and exterior doors

MATERIALS



Hardwood



Softwood



MDF



Plywood

Vertical Insert Raised Panel Cutter

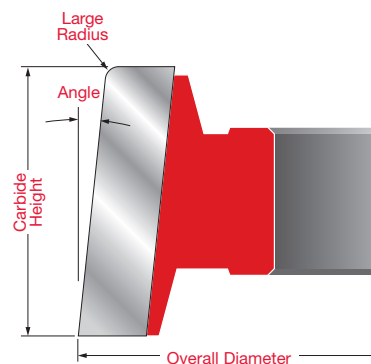


CARBIDE INSERT CUTTER

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	ANGLE	BORE DIA.
UP003	3-9/16"	1-57/64"	5/64"	6°	1-1/4"



UP003



USE IN



Shaper Machine

APPLICATION

Provide a full profile reveal, while keeping cutter diameter to a minimum. This reduces the stress on the spindle and will work well on lower powered shapers.

MATERIALS



Hardwood



Softwood

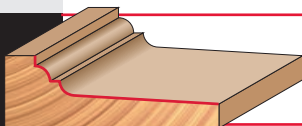


MDF



Plywood

FIXED WING CUTTER



The "Duplex" Multi-Profile Insert Raised Panel Cutter

USE IN



Shaper Machine

APPLICATION

Create custom raised panel profiles with just one cutter. Create eight different profiles using only one pass. Different profiles can be obtained by running the stock over or under the head and changing the height of the cutter.

MATERIALS



Hardwood

Softwood

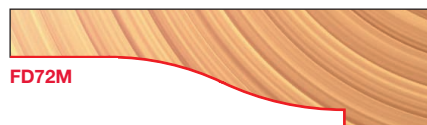
MDF

Plywood

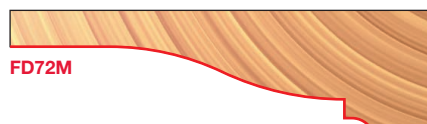
ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	ANGLE	BORE DIA.
FD72M	5-29/32"	1-7/8"	1-5/64"	3/32"	5/32"	1/8"	3.5°	1-1/4"



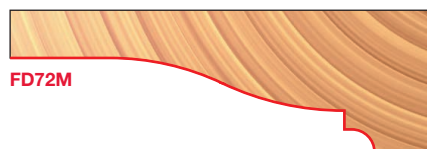
FD72M



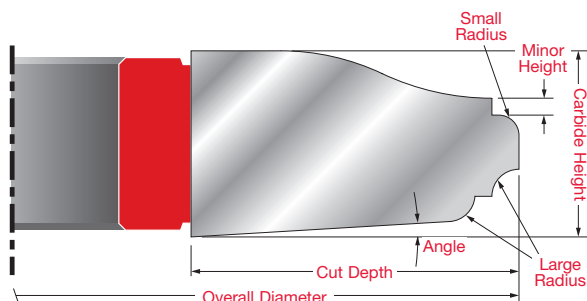
FD72M



FD72M



FD72M



FD72M



FD72M



FD72M



FD72M

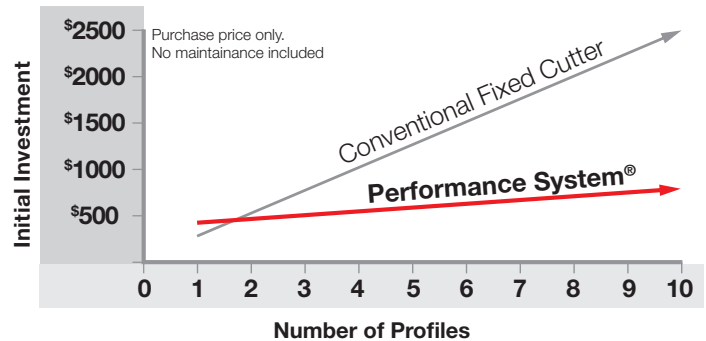
PERFORMANCE ADVANTAGE

FREUD PERFORMANCE SYSTEM® SHAPER CUTTERS

The Performance System® **Cost Advantage** Over Conventional Fixed Cutters

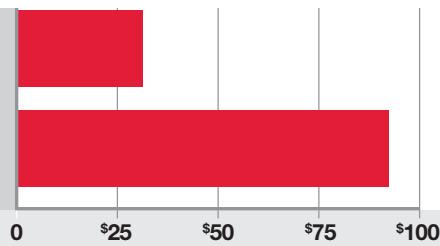
Cost Per Profile

Freud's Performance System® cutters are designed for maximum performance, flexibility and savings. When a new profile cutter is needed, the investment cost of the Performance System® drops well below that of conventional fixed wing cutters. With the Performance System®, all that is required is a set of profile knives. With conventional cutters a complete new cutter must be purchased.



Performance System®

Conventional Fixed Cutter

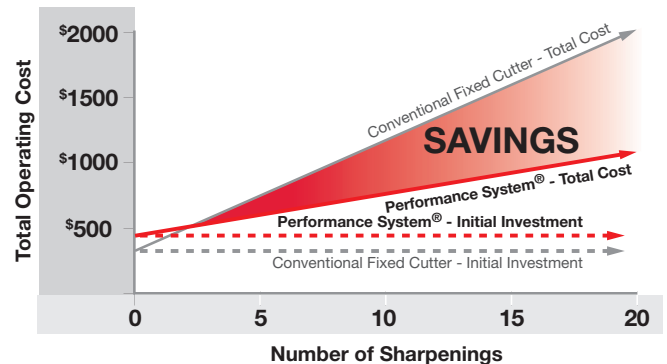


Operating Cost Per Sharpening

Freud's Performance System® cutters are less expensive to operate. With the patented sharpening system, all that is required is face grinding the insert knives on a surface grinder. This method is both fast and inexpensive. When the knives can no longer be sharpened, they are easily replaced. With conventional fixed wing cutters, a completely new cutter must be purchased.

Total Operating Cost

When examining the overall operating cost of conventional fixed wing cutters vs. the savings with Freud's Performance System®, the amount saved grows rapidly. The chart to the right shows the true operating cost through 20 sharpenings. Freud's Performance System® makes up the difference in the initial investment, well before the fifth sharpening. The longer the cutter is used, the more the Performance System® investment pays off.



To determine the operating cost the following parameters were used:

The average cost to sharpen a conventional fixed cutter rail & stile set is \$29.00, and the average cost to sharpen a pair of knives is \$12.00. After five sharpenings the knives and fixed cutters were expended and replaced. The Performance System® will last longer between sharpenings due to the system's ability to use a harder micrograin carbide. The cost for cutterheads, knives and conventional cutters is at list price.

PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Create 10 different styles of raised panel cabinet doors at a fraction of the cost of fixed knife cutters. These cutters have a specially designed raised panel knife that leaves cross grain cuts as smooth and splinter-free as cuts with the grain.

This raised panel cutter system can be used either with the Performance System® Rail and Stile cutter or with standard fixed wing rail and stile cutters.

MATERIALS



Hardwood

Softwood

MDF

Plywood

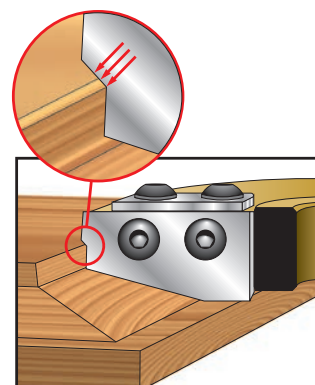
RP1000 & RP2000 Panel Raising Systems



RP1000

Splinter Free Cuts

Typical raised panel cutters leave splinters when cutting across the end grain. Freud's cutter pushes down and shears off the wood fibers leaving it splinter-free and reducing the amount of sanding required.



Panel Raising Cutter Head: RP1000

ITEM NUMBER	PART DESCRIPTION	BORE DIAMETER	RUB COLLAR NUMBER	OVERALL DIAMETER
RP1000	Insert Cutter Head	1-1/4"	RC10#	5-1/2"

Panel Raising System: RP2000

ITEM NUMBER	PART DESCRIPTION	BORE DIAMETER	RUB COLLAR NUMBER	OVERALL DIAMETER
RP1000	Insert Cutter Head	1-1/4"	RC10#	5-1/2"
RP-OPS	Back Cutter	1-1/4"	-	-
RP-A	Profile Knife	-	-	-
RP-B	Profile Knife	-	-	-
RP-C	Profile Knife	-	-	-
RP-D	Profile Knife	-	-	-
RP-E	Profile Knife	-	-	-

RP1000 & RP2000 Panel Raising Systems

CONTINUED

Individual Component Listing *(Each item available separately)*

ITEM NUMBER	PART DESCRIPTION	BORE DIAMETER	RUB COLLAR NUMBER	OVERALL DIAMETER
RP1000	Insert Cutter Head	1-1/4"	RC10#	5-1/2"
RP-OPS	Back Cutter	1-1/4"	-	-
RP-OPB	Back Cutter	1-1/4"	-	-
RP-A	Profile Knife*	-	-	-
RP-A34	Profile Knife**	-	-	-
RP-B	Profile Knife*	-	-	-
RP-B34	Profile Knife**	-	-	-
RP-C	Profile Knife*	-	-	-
RP-C34	Profile Knife**	-	-	-
RP-D	Profile Knife*	-	-	-
RP-D34	Profile Knife**	-	-	-
RP-E	Profile Knife*	-	-	-
RP-E34	Profile Knife**	-	-	-

* Primarily for raising 5/8" thick panels but can be used to raise 3/4" thick panels when combined with a back cutter.

** For 3/4" raising 3/4" thick panels.

PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

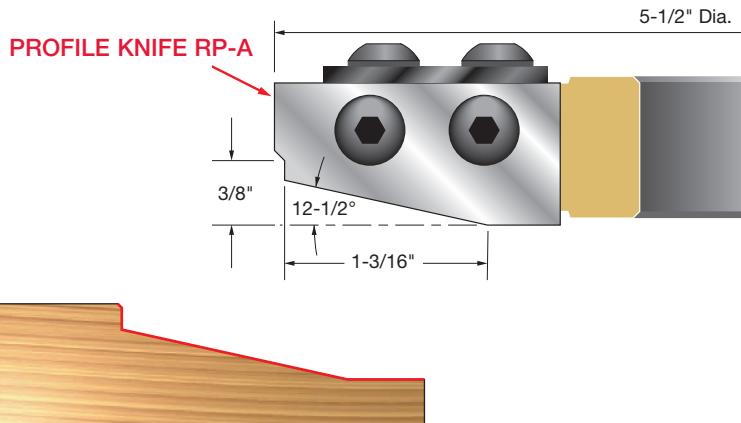
For raising 5/8" or 3/4" panels with 1/4" tongues. When used with 3/4" rail and stiles, the panel will extend outside the door frame. The specially designed knife removes all splinters on cross grain cuts.

MATERIALS



Profile Knife RP-A

Uses: Knife RP-A and Head **RP1000**



PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Raising 5/8" thick panels with 1/4" tongues. Can be used for raising 3/4" panels when using optional back cutters RP-OPS or RP-OPB. The specially designed knife removes all splinters on cross grain cuts.

MATERIALS



PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Raising 3/4" thick panels with 1/4" tongues. When used with 3/4" rail and stiles, the panel will extend outside the door frame. The specially designed knife removes all splinters on cross grain cuts.

MATERIALS



Hardwood

Softwood

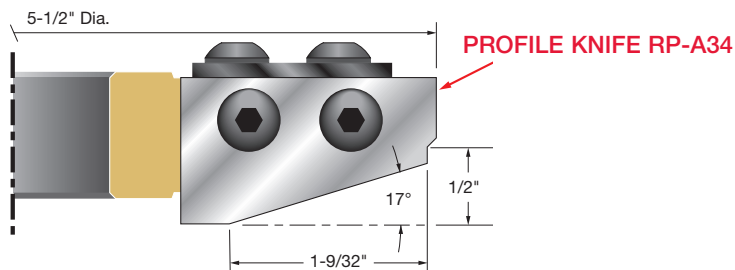


MDF

Plywood

Profile Knife RP-A34

Uses: Knife RP-A34 and Head RP1000



PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Raising 5/8" thick panels with 1/4" tongues. Can be used for raising 3/4" panels when using optional back cutters RP-OPS or RP-OPB. The specially designed knife removes all splinters on cross grain cuts.

MATERIALS



Hardwood

Softwood

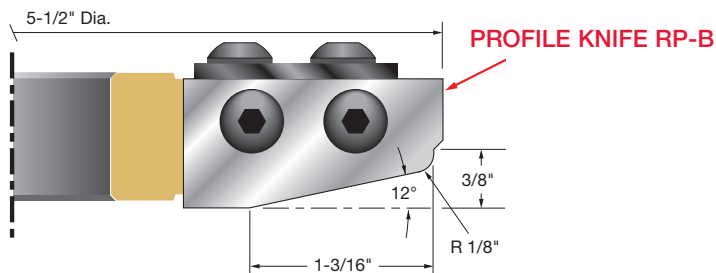


MDF

Plywood

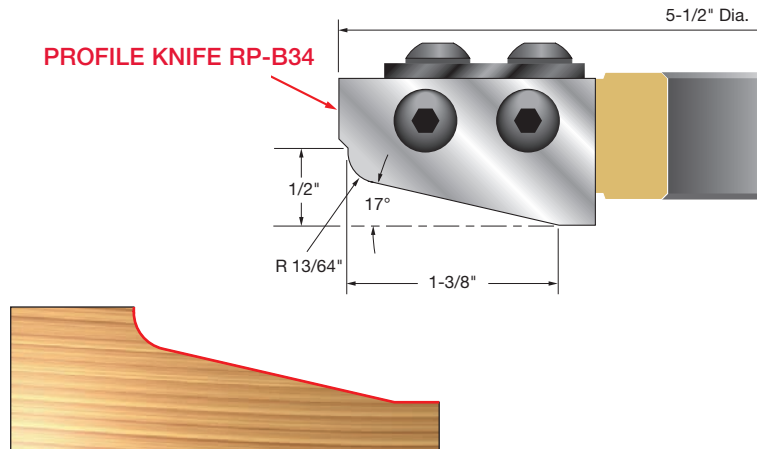
Profile Knife RP-B

Uses: Knife RP-B and Head RP1000



Profile Knife RP-B34

Uses: Knife RP-B34 and Head **RP1000**



PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

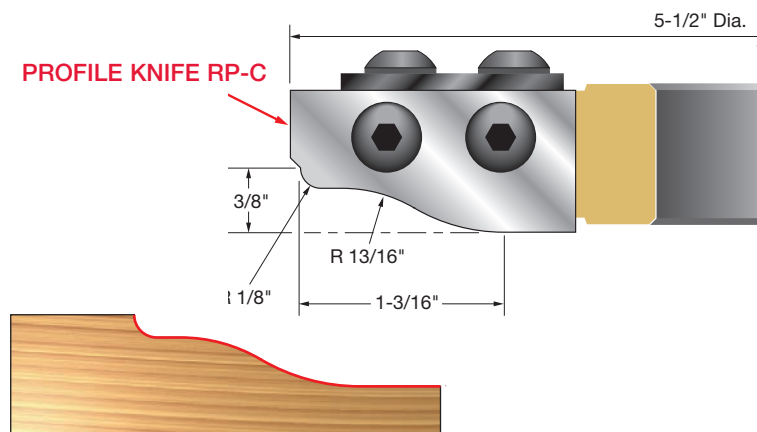
Raising 3/4" thick panels with 1/4" tongues. When used with 3/4" rail and stiles, the panel will extend outside the door frame. The specially designed knife removes all splinters on cross grain cuts.

MATERIALS



Profile Knife RP-C

Uses: Knife RP-C and Head **RP1000**



PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Raising 5/8" thick panels with 1/4" tongues. Can be used for raising 3/4" panels when using optional back cutters RP-OPS or RP-OPB. The specially designed knife removes all splinters on cross grain cuts.

MATERIALS



PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Raising 3/4" thick panels with 1/4" tongues. When used with 3/4" rail and stiles, the panel will extend outside the door frame. The specially designed knife removes all splinters on cross grain cuts.

MATERIALS



Hardwood



Softwood



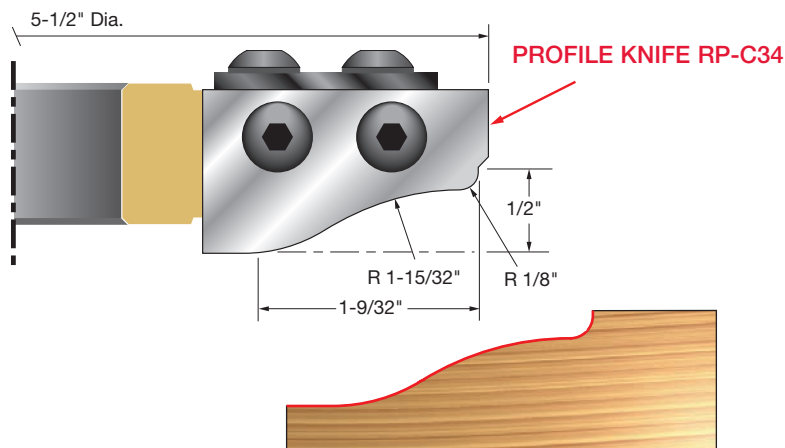
MDF



Plywood

Profile Knife RP-C34

Uses: Knife RP-C34 and Head **RP1000**



PERFORMANCE SYSTEM® CUTTERS

Profile Knife RP-D

USE IN



Shaper Machine

APPLICATION

Raising 5/8" thick panels with 1/4" tongues. Can be used for raising 3/4" panels when using optional back cutters RP-OPS or RP-OPB. The specially designed knife removes all splinters on cross grain cuts.

MATERIALS



Hardwood



Softwood

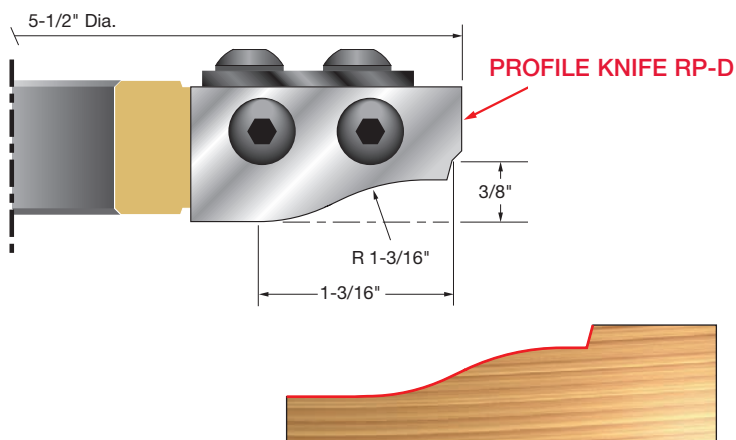


MDF



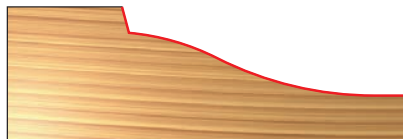
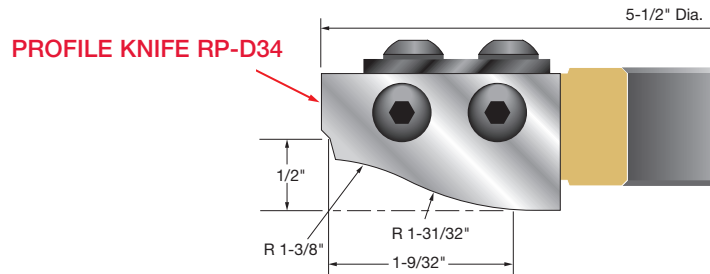
Plywood

Uses: Knife RP-D and Head **RP1000**



Profile Knife RP-D34

Uses: Knife RP-D34 and Head **RP1000**



PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

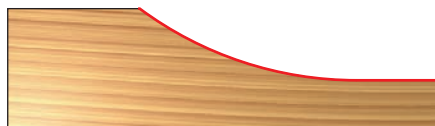
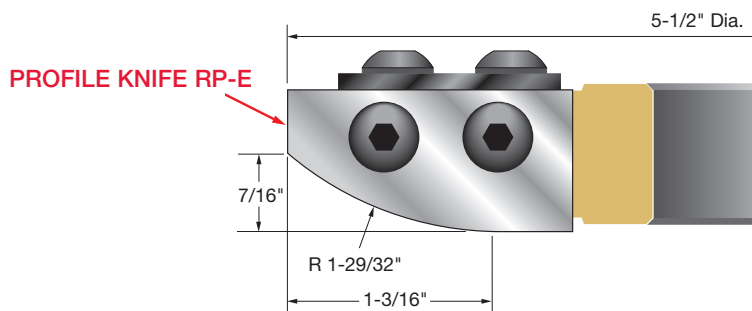
Raising 3/4" thick panels with 1/4" tongues. When used with 3/4" rail and stiles, the panel will extend outside the door frame. The specially designed knife removes all splinters on cross grain cuts.

MATERIALS



Profile Knife RP-E

Uses: Knife RP-E and Head **RP1000**



PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Raising 5/8" thick panels with 1/4" tongues. Can be used for raising 3/4" panels when using optional back cutters RP-OPS or RP-OPB. The specially designed knife removes all splinters on cross grain cuts.

MATERIALS



USE IN



Shaper Machine

APPLICATION

Raising 3/4" thick panels with 1/4" tongues. When used with 3/4" rail and stiles, the panel will extend outside the door frame. The specially designed knife removes all splinters on cross grain cuts.

MATERIALS



Hardwood



Softwood



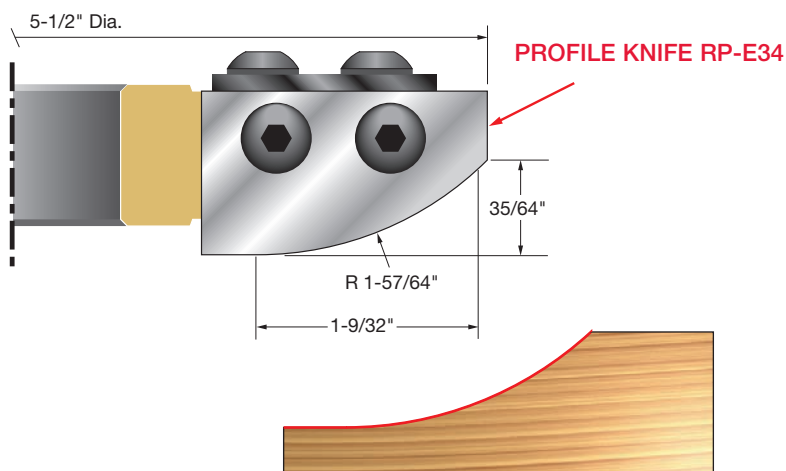
MDF



Plywood

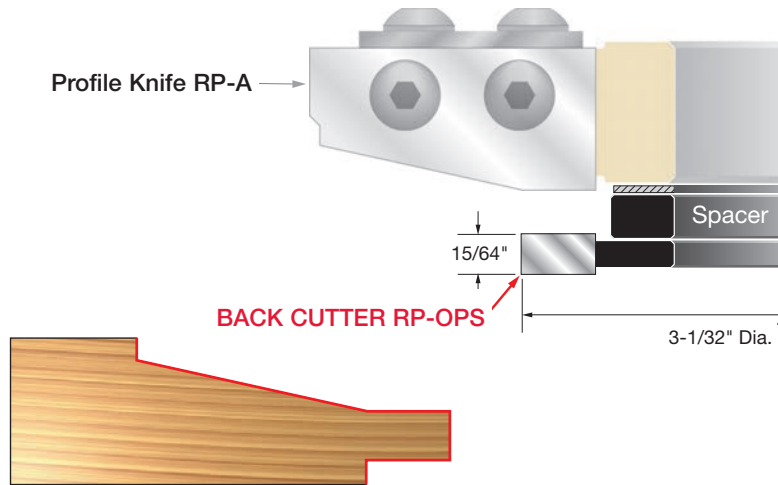
Profile Knife RP-E34

Uses: Knife RP-E34 and Head **RP1000**



RP-OPS Back-Cutter For Performance System® Raised Panel Cutters

Uses: Knife RP-A, Head **RP1000** and Back Cutter **RP-OPS**



PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

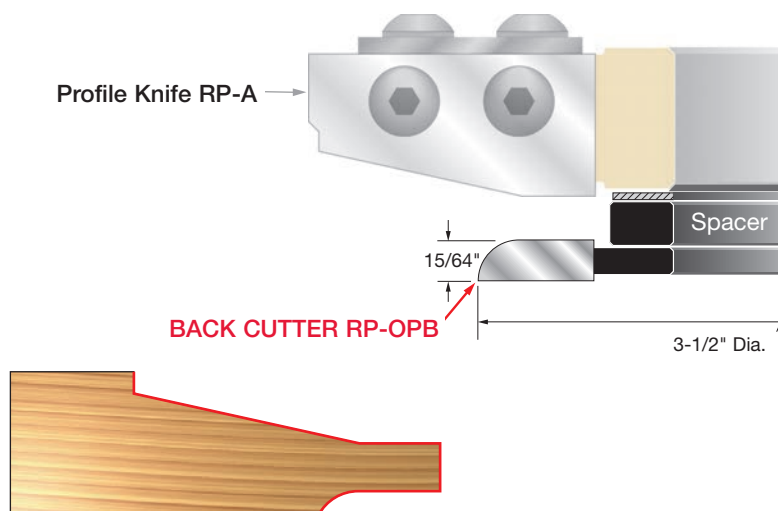
Designed to be used with knives RP-A, RP-B, RP-C, RP-D, or RP-E on the RP1000 head. This allows the use of 3/4" to 13/16" thick panels while maintaining a 1/4" tongue.

MATERIALS



RP-OPB Back-Cutter For Performance System® Raised Panel Cutters

Uses: Knife RP-A, Head **RP1000** and Back Cutter **RP-OPB**



PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Designed to be used with knives RP-A, RP-B, RP-C, RP-D, or RP-E on the RP1000 head. This allows the use of 3/4" to 13/16" thick panels while maintaining a 1/4" tongue.

MATERIALS



PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Creates over 18 profiles of rail and stiles for cabinet doors at a fraction of the cost of fixed knife cutters.

MATERIALS



Hardwood

Softwood

MDF

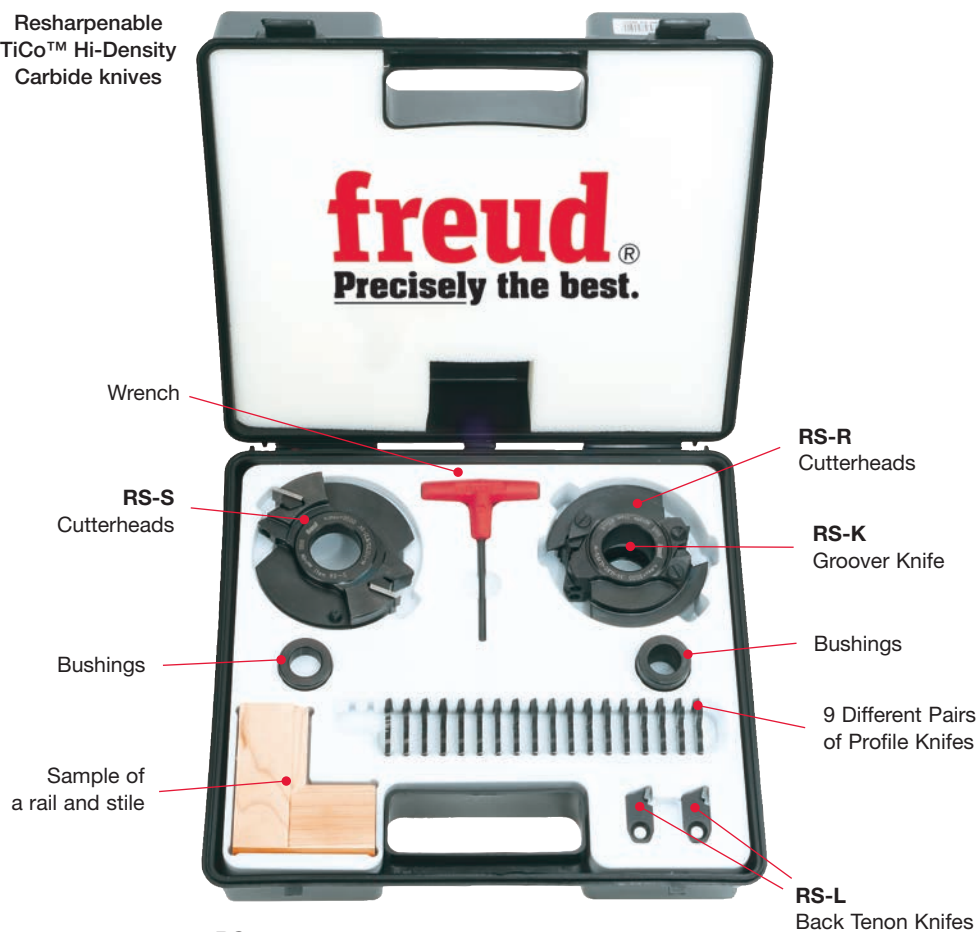
Plywood

SHAPER CUTTERS

RS1000 & RS2000 Rail & Stile Door Systems



Resharpenable
TiCo™ Hi-Density
Carbide knives



RS2000

(RS1000 - both cutter heads (RS-S, RS-R),
groover knives (RS-K), and the glass door
and back tenon knife (RS-L) -
plus 9 different profile knives)

Back View of Tenon Joint

This system makes perfect
tenon joints, even after it
has been sharpened.



RS1000 & RS2000 Rail & Stile Door Systems

PERFORMANCE SYSTEM® CUTTERS

Rail and Stile Door System: RS1000

ITEM NUMBER	PART DESCRIPTION	BORE DIAMETER	RUB COLLAR NUMBER	OVERALL DIAMETER
RS-S	Insert Cutter Head	1-1/4"	RSC-0#	4-7/16"
RS-R	Insert Cutter Head	1-1/4"	RSC-0#	4-7/16"
RS-K**	Groover Knives	—	—	—
RS-L*	Back Tenon Knife	—	—	—

Rail and Stile Door System: RS2000

ITEM NUMBER	PART DESCRIPTION	BORE DIAMETER	RUB COLLAR NUMBER	OVERALL DIAMETER
RS-S	Insert Cutter Head	1-1/4"	RSC-0#	4-7/16"
RS-R	Insert Cutter Head	1-1/4"	RSC-0#	4-7/16"
RS-K**	Groover Knives	—	—	—
RS-L*	Back Tenon Knife	—	—	—
RS-A	Profile Knives	—	—	—
RS-B	Profile Knives	—	—	—
RS-C	Profile Knives	—	—	—
RS-D	Profile Knives	—	—	—
RS-E	Profile Knives	—	—	—
RS-F	Profile Knives	—	—	—
RS-G	Profile Knives	—	—	—
RS-H	Profile Knives	—	—	—
RS-I	Profile Knives	—	—	—

"#" Determines bore size. See Bushing & Rub Collars for bore selection.

* Glass Door and Back Tenon knife for Head RS-S

**Groover Knives for Head RS-R

USE IN



Shaper Machine

APPLICATION

Creates over 18 profiles of rail and stiles for cabinet doors at a fraction of the cost of fixed knife cutters

MATERIALS



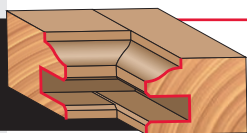
Hardwood

Softwood

MDF

Plywood

PERFORMANCE SYSTEM® CUTTERS



Profile Knife RS-A Raised Panel Door Set-Up

USE IN



Shaper Machine

APPLICATION

Constructing raised panel doors with eased over edges on the inside of the panel groove for less splintering, easier finishing, and easier insertion of panels. Shimming should be done between the cutter heads to achieve the fit required.

MATERIALS



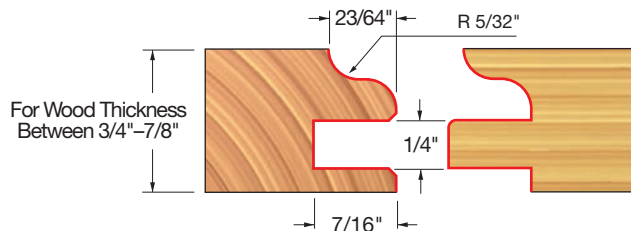
Hardwood

Softwood

MDF

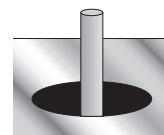
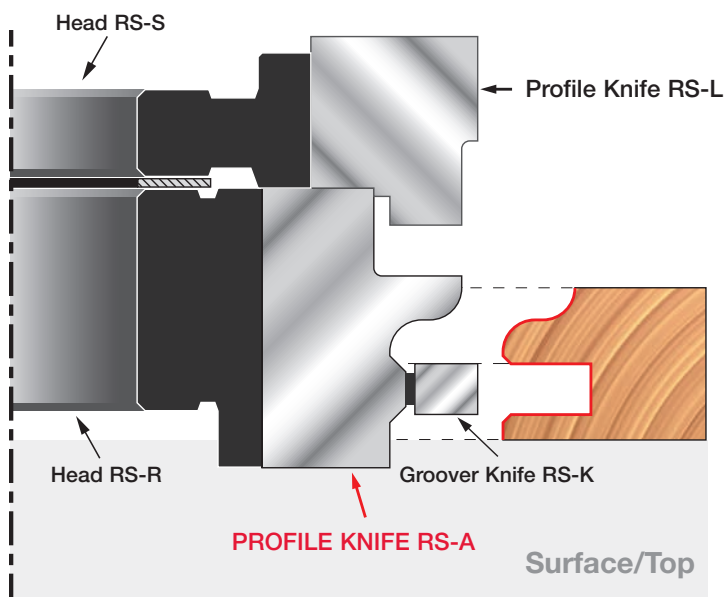
Plywood

SHAPER CUTTERS

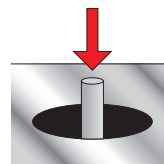
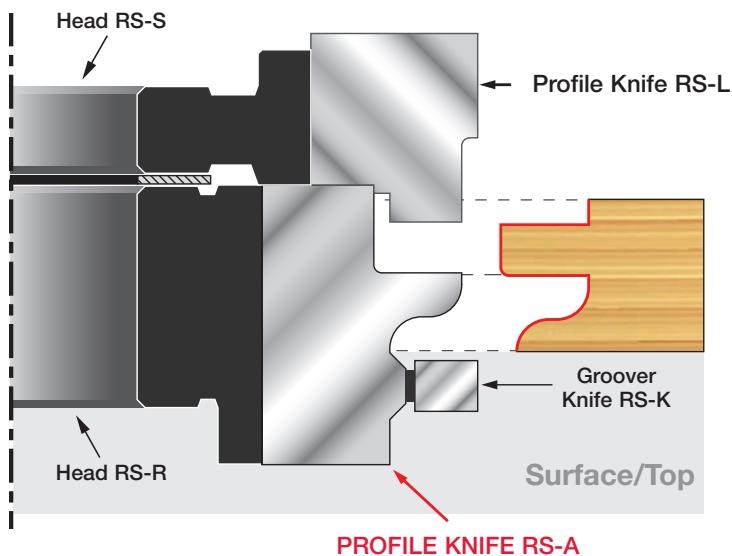


For Wood Thickness
Between 3/4"-7/8"

Uses: Knife RS-A, Knife RS-L, Head RS-R, and Head RS-S

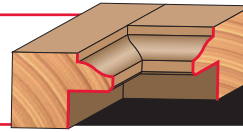


Spindle in
Starting Position
for Profile Cut

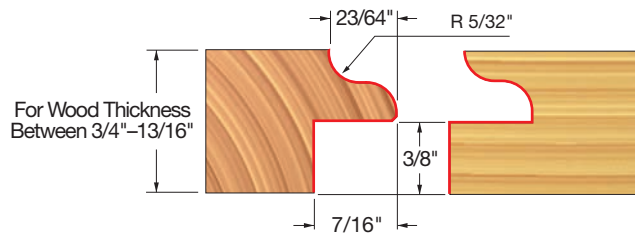


Spindle Lowered
for Cope Cut

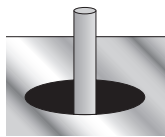
Profile Knife RS-A Glass Panel Door Set-Up



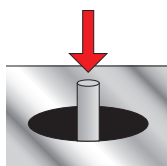
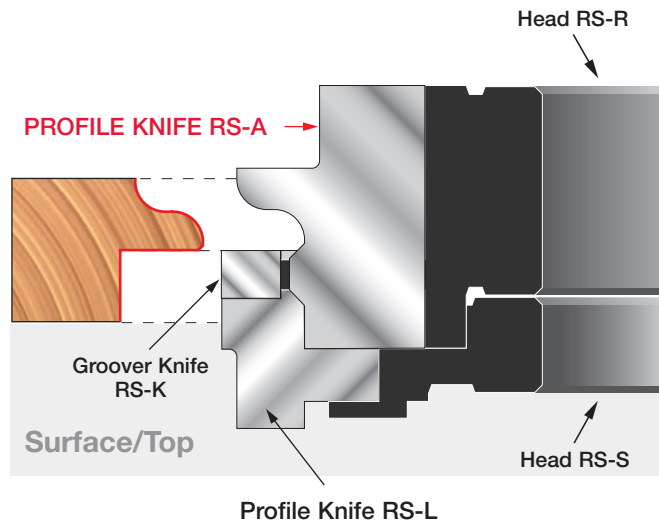
PERFORMANCE SYSTEM® CUTTERS



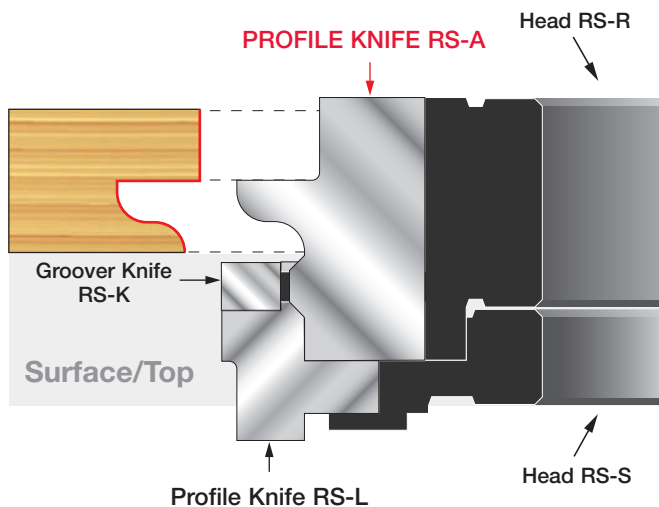
Uses: Knife RS-A, Knife RS-L, Head RS-R, and Head RS-S



Spindle in Starting Position for Profile Cut



Spindle Lowered for Cope Cut



USE IN



Shaper Machine

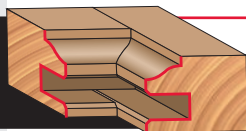
APPLICATION

Allows for the insertion and removal of a glass panel on a rabbeted groove. Use a small molding to hold glass in place. No shimming should be needed.

MATERIALS



PERFORMANCE SYSTEM® CUTTERS



Profile Knife RS-B Raised Panel Door Set-Up

USE IN



Shaper Machine

APPLICATION

Constructing raised panel doors with eased over edges on the inside of the panel groove for less splintering, easier finishing, and easier insertion of panels. Shimming should be done between the cutter heads to achieve the fit required.

MATERIALS

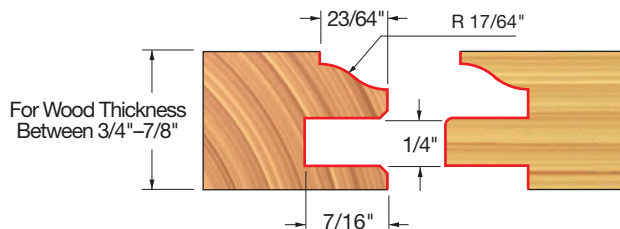


Hardwood

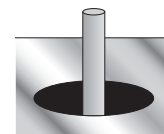
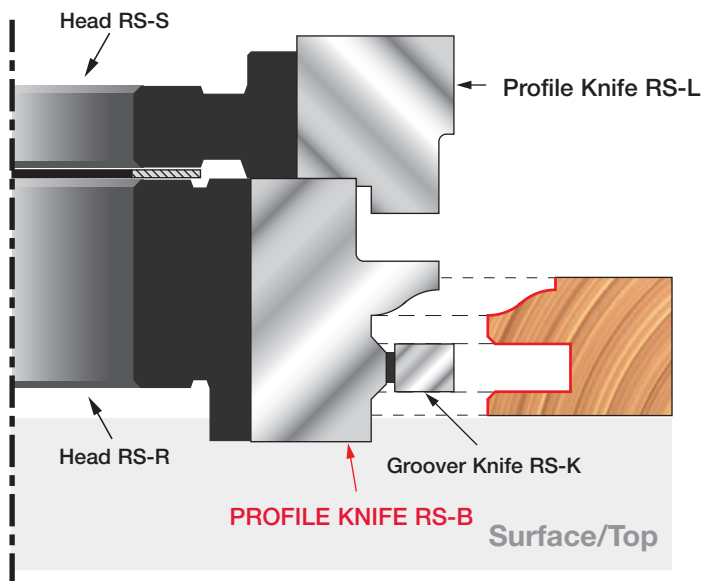
Softwood

MDF

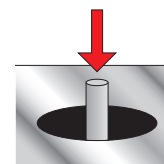
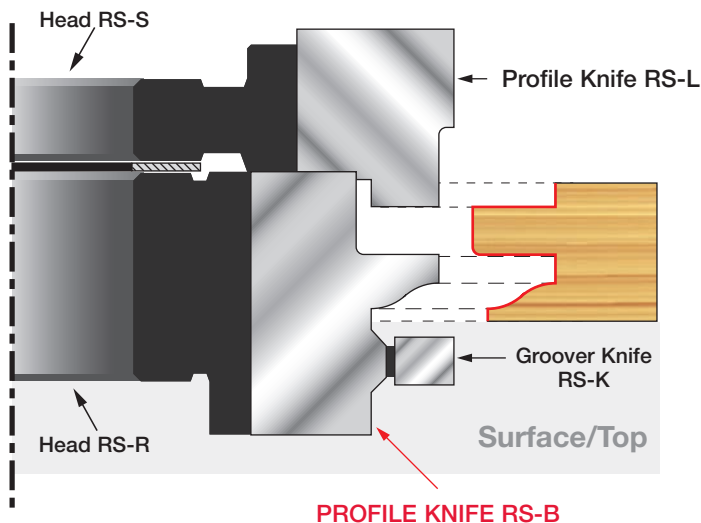
Plywood



Uses: Knife RS-B, Knife RS-L, Head RS-R, and Head RS-S



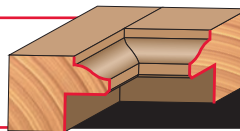
Spindle in
Starting Position
for Profile Cut



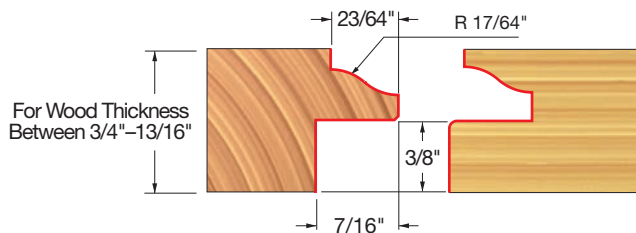
Spindle Lowered
for Cope Cut

SHAPER CUTTERS

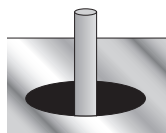
Profile Knife RS-B Glass Panel Door Set-Up



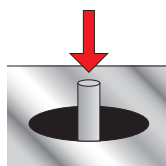
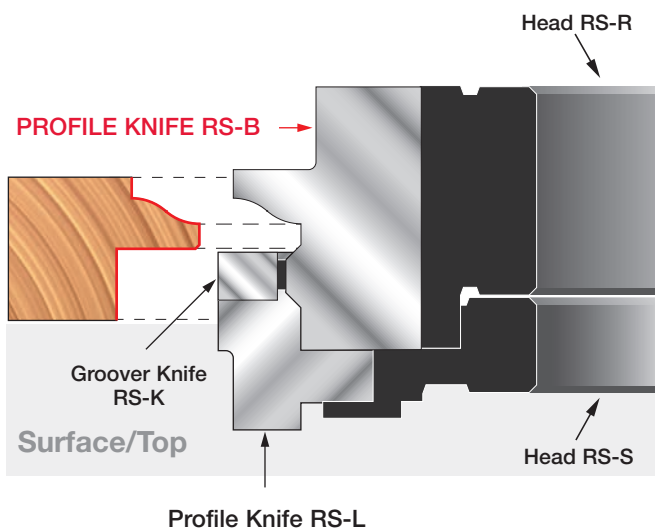
PERFORMANCE SYSTEM® CUTTERS



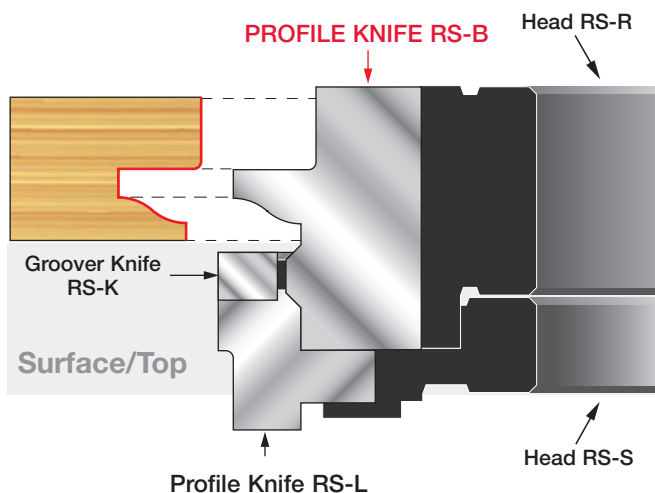
Uses: Knife RS-B, Knife RS-L, Head RS-R, and Head RS-S



Spindle in
Starting Position
for Profile Cut



Spindle Lowered
for Cope Cut



USE IN



Shaper Machine

APPLICATION

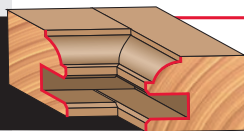
Allows for the insertion and removal of a glass panel on a rabbeted groove. Use a small molding to hold glass in place. No shimming should be needed.

MATERIALS



SHAPER CUTTERS

PERFORMANCE SYSTEM® CUTTERS



Profile Knife RS-C Raised Panel Door Set-Up

USE IN



Shaper Machine

APPLICATION

Constructing raised panel doors with eased over edges on the inside of the panel groove for less splintering, easier finishing, and easier insertion of panels. Shimming should be done between the cutter heads to achieve the fit required.

MATERIALS

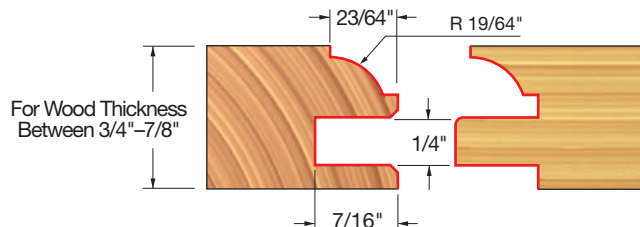


Hardwood

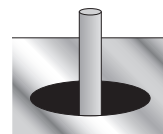
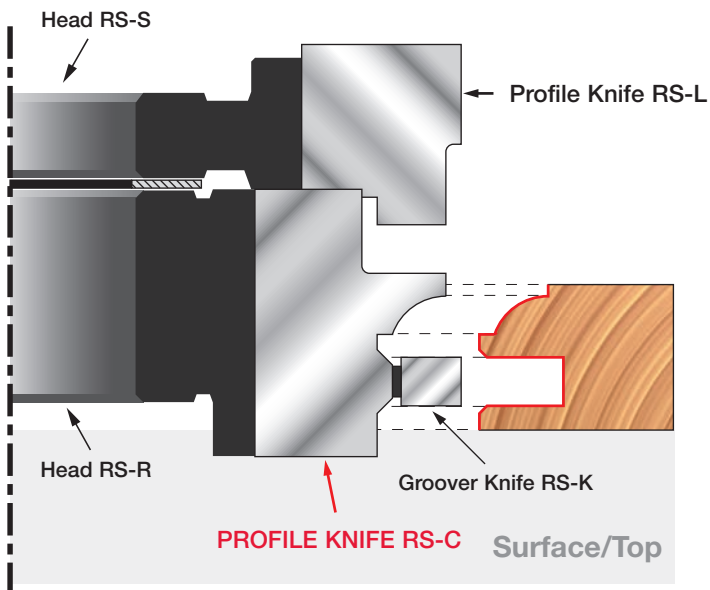
Softwood

MDF

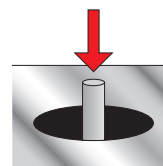
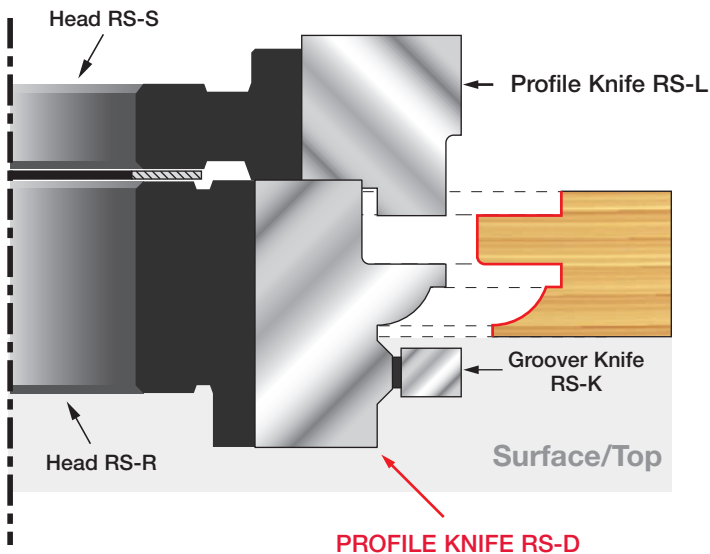
Plywood



Uses: Knife RS-C, Knife RS-D, Knife RS-L, Head RS-R, and Head RS-S

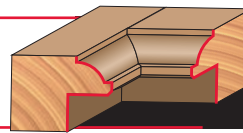


Spindle in
Starting Position
for Profile Cut

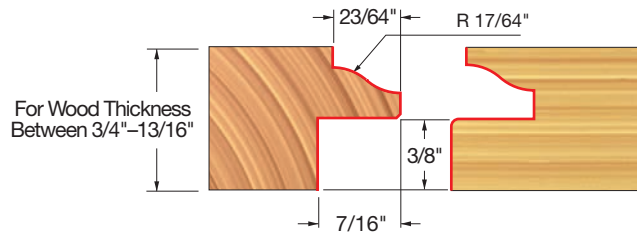


Spindle Lowered
for Cope Cut

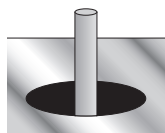
Profile Knife RS-C Glass Panel Door Set-Up



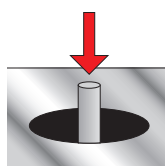
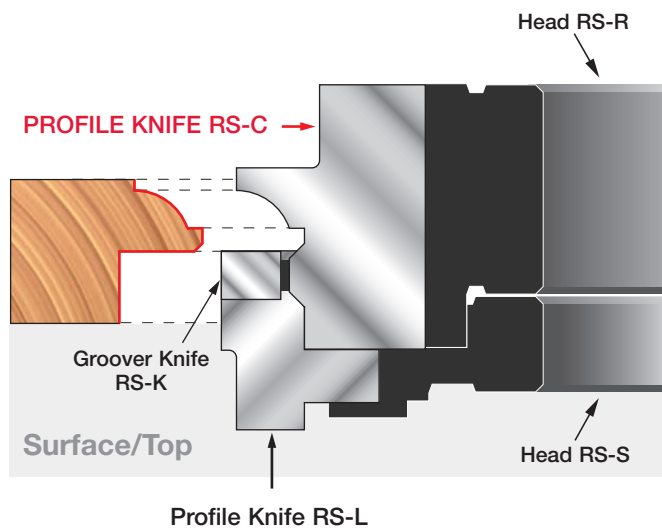
PERFORMANCE SYSTEM® CUTTERS



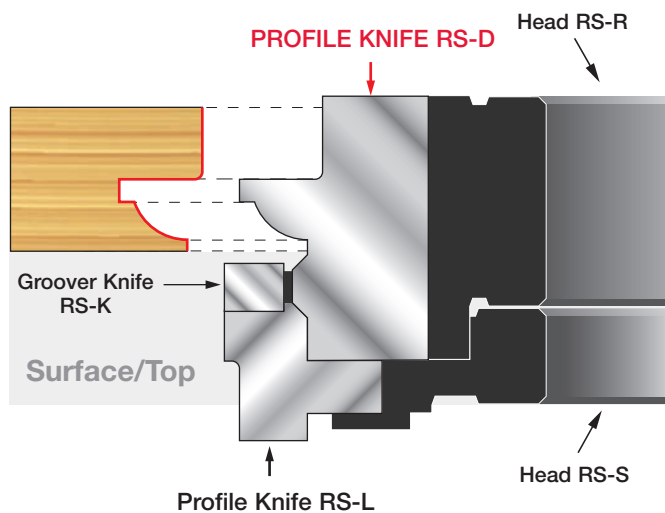
Uses: Knife RS-C, Knife RS-D, Knife RS-L, Head RS-R, and Head RS-S



Spindle in Starting Position for Profile Cut



Spindle Lowered for Cope Cut



USE IN



Shaper Machine

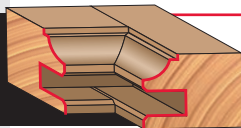
APPLICATION

Allows for the insertion and removal of a glass panel on a rabbeted groove. Use a small molding to hold glass in place. No shimming should be needed.

MATERIALS



PERFORMANCE SYSTEM® CUTTERS



Profile Knife RS-D Raised Panel Door Set-Up

USE IN



Shaper Machine

APPLICATION

Constructing raised panel doors with eased over edges on the inside of the panel groove for less splintering, easier finishing, and easier insertion of panels. Shimming should be done between the cutter heads to achieve the fit required.

MATERIALS

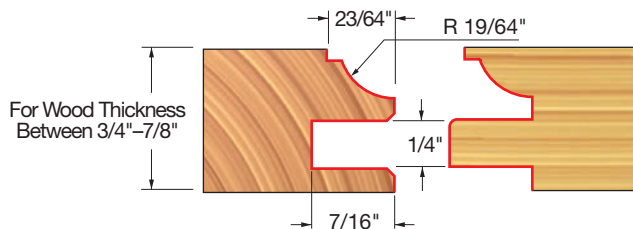


Hardwood

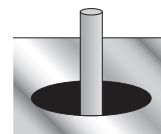
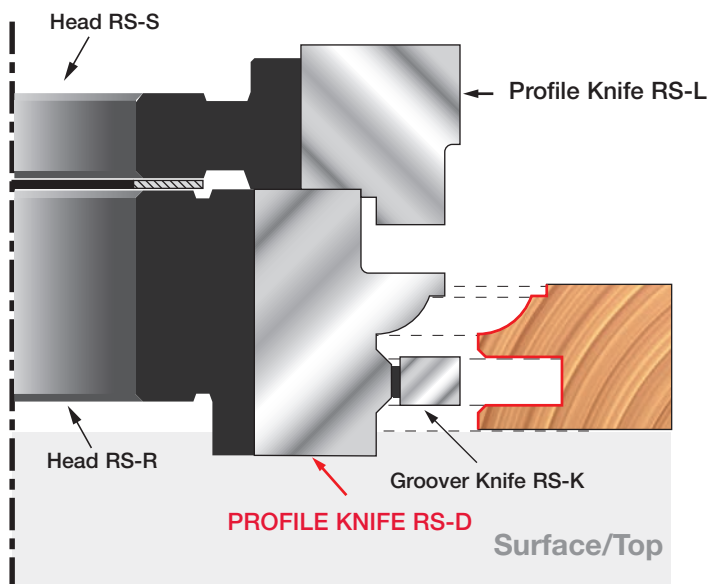
Softwood

MDF

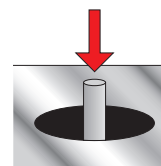
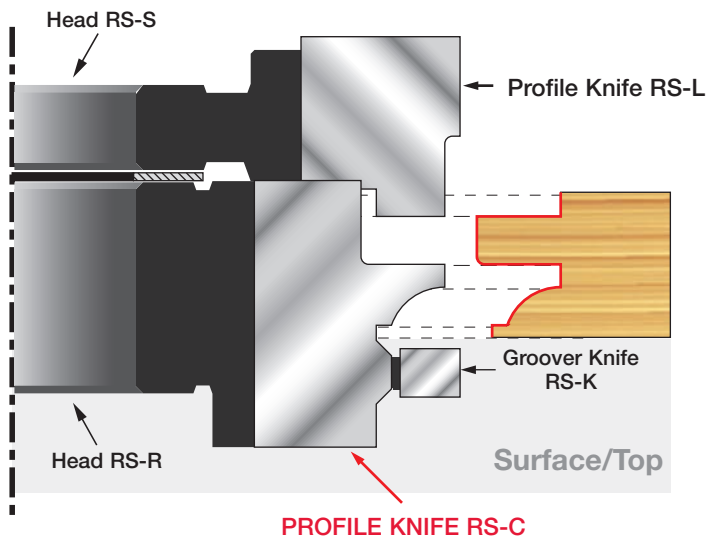
Plywood



Uses: Knife RS-D, Knife RS-C, Knife RS-L, Head RS-R, and Head RS-S

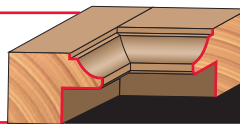


Spindle in
Starting Position
for Profile Cut

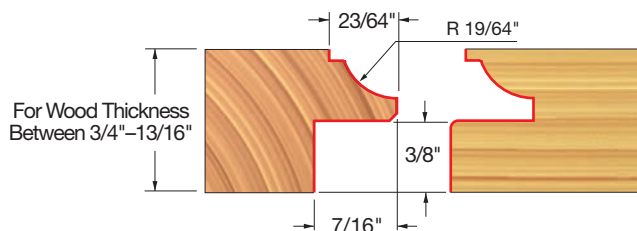


Spindle Lowered
for Cope Cut

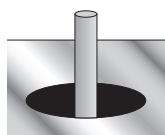
Profile Knife RS-D Glass Panel Door Set-Up



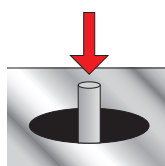
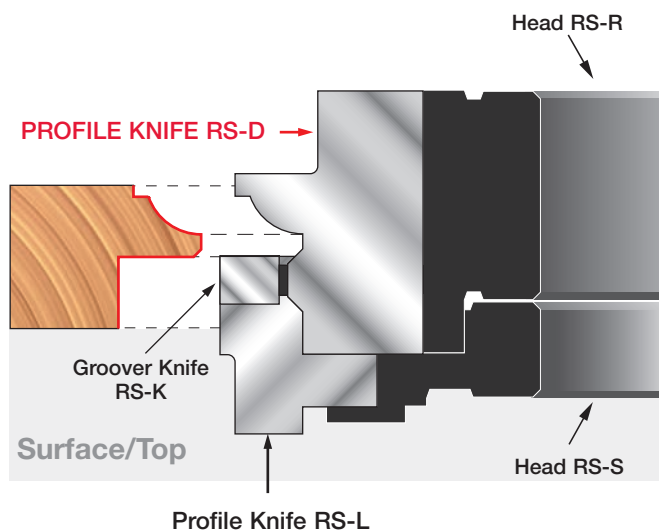
PERFORMANCE SYSTEM® CUTTERS



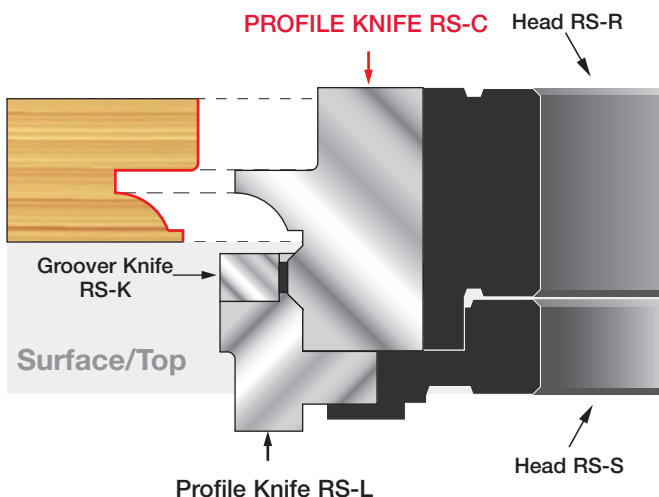
Uses: Knife RS-D, Knife RS-C, Knife RS-L, Head RS-R, and Head RS-S



Spindle in Starting Position for Profile Cut



Spindle Lowered for Cope Cut



USE IN



Shaper Machine

APPLICATION

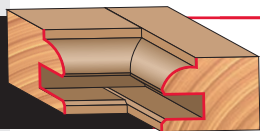
Allows for the insertion and removal of a glass panel on a rabbeted groove. Use a small molding to hold glass in place. No shimming should be needed.

MATERIALS



SHAPER CUTTERS

PERFORMANCE SYSTEM® CUTTERS



Profile Knife RS-E Raised Panel Door Set-Up

USE IN



Shaper Machine

APPLICATION

Constructing raised panel doors with eased over edges on the inside of the panel groove for less splintering, easier finishing, and easier insertion of panels. Shimming should be done between the cutter heads to achieve the fit required.

MATERIALS



Hardwood

Softwood

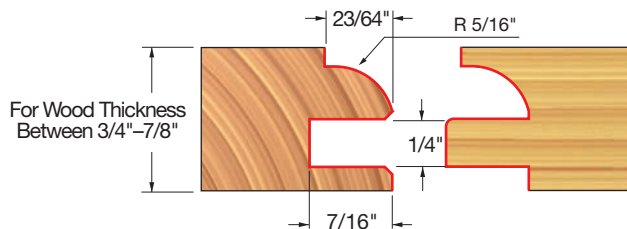


MDF

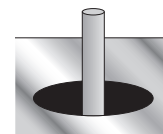
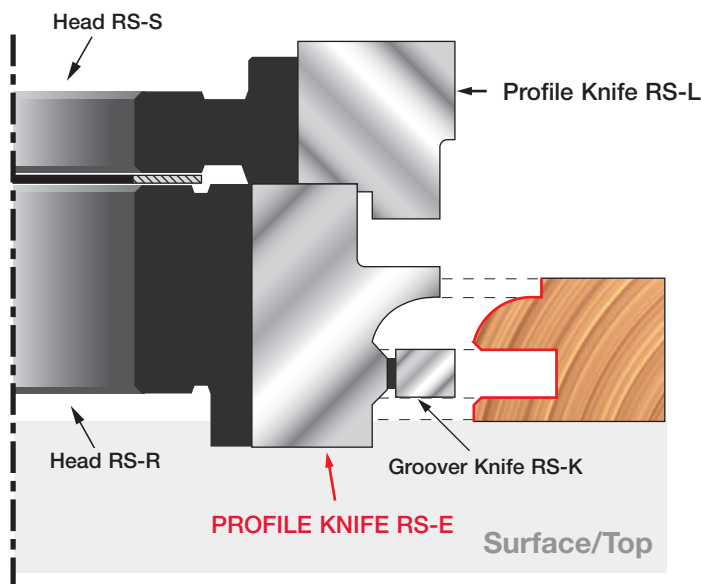


Plywood

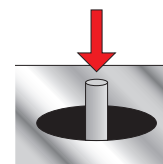
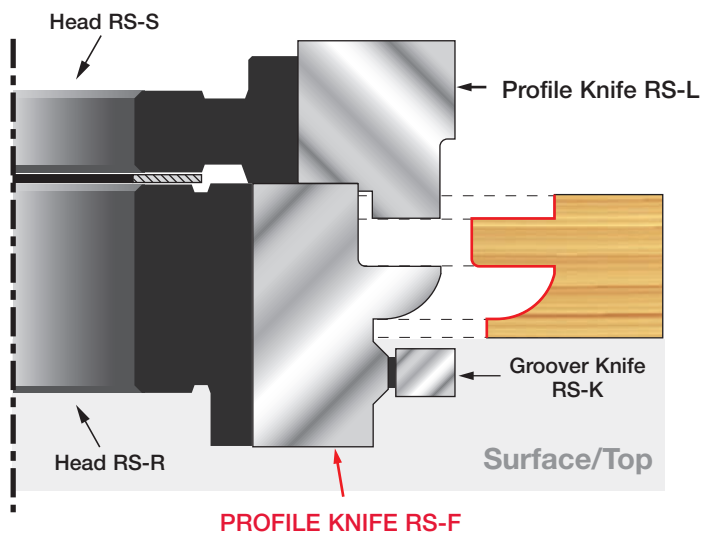
SHAPER CUTTERS



Uses: Knife RS-E, Knife RS-F, Knife RS-L, Head RS-R, and Head RS-S

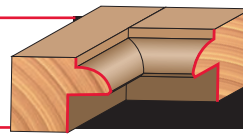


Spindle in Starting Position for Profile Cut

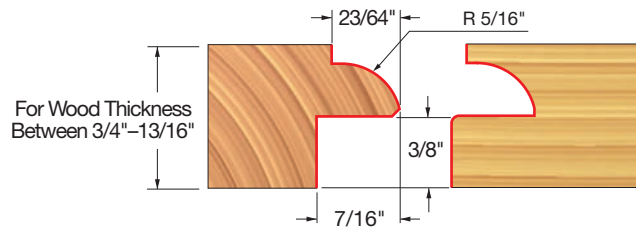


Spindle Lowered for Cope Cut

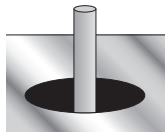
Profile Knife RS-E Glass Panel Door Set-Up



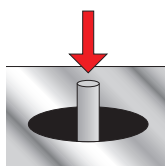
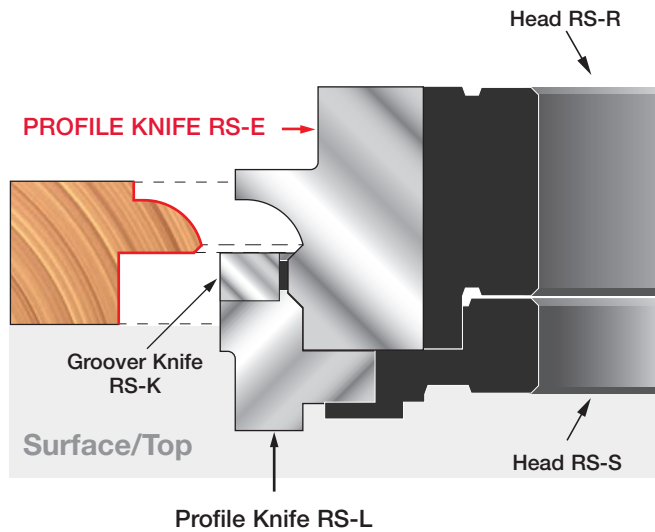
PERFORMANCE SYSTEM® CUTTERS



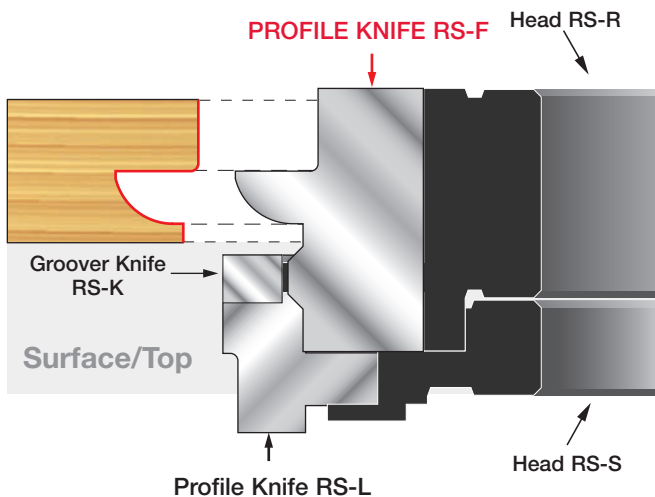
Uses: Knife RS-E, Knife RS-F, Knife RS-L, Head RS-R, and Head RS-S



Spindle in Starting Position for Profile Cut



Spindle Lowered for Cope Cut



USE IN



Shaper Machine

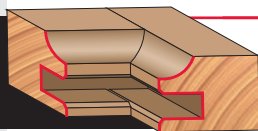
APPLICATION

Allows for the insertion and removal of a glass panel on a rabbeted groove. Use a small molding to hold glass in place. No shimming should be needed.

MATERIALS



PERFORMANCE SYSTEM® CUTTERS



Profile Knife RS-F Raised Panel Door Set-Up

USE IN



Shaper Machine

APPLICATION

Constructing raised panel doors with eased over edges on the inside of the panel groove for less splintering, easier finishing, and easier insertion of panels. Shimming should be done between the cutter heads to achieve the fit required.

MATERIALS



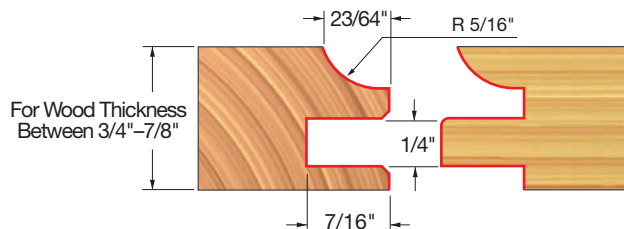
Hardwood

Softwood

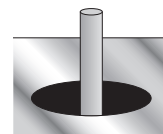
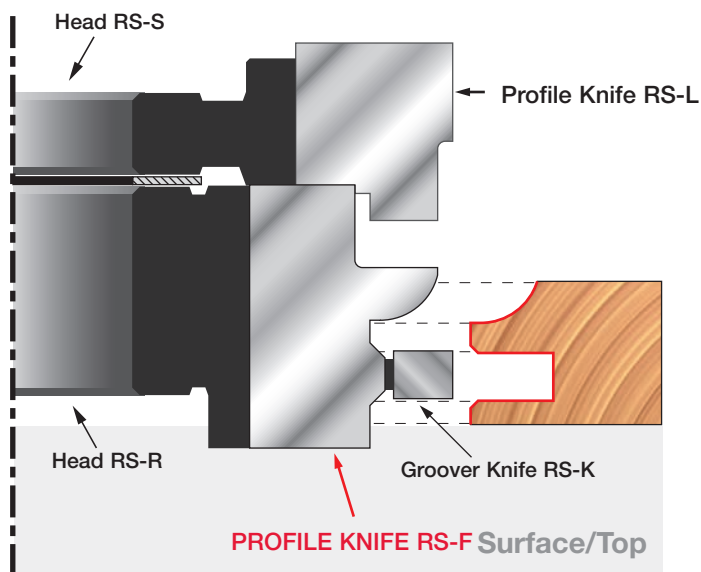
MDF

Plywood

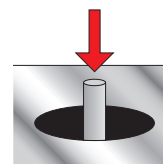
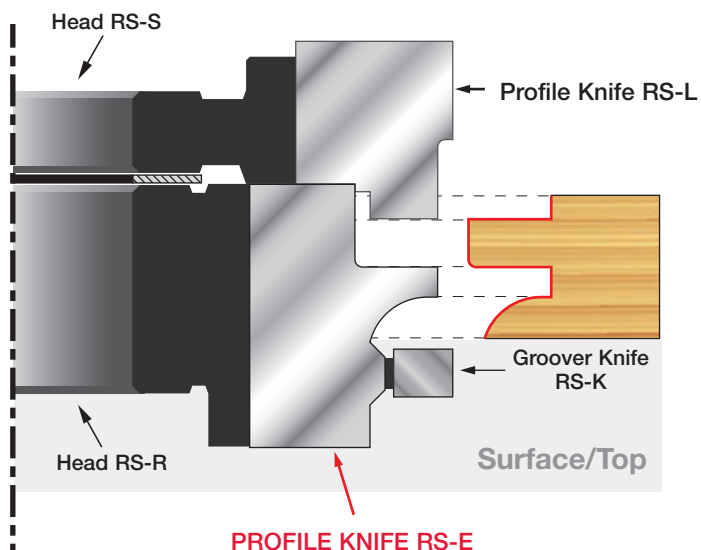
SHAPER CUTTERS



Uses: Knife RS-F, Knife RS-E, Knife RS-L, Head RS-R, and Head RS-S

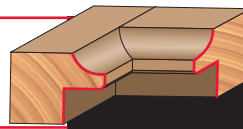


Spindle in Starting Position for Profile Cut

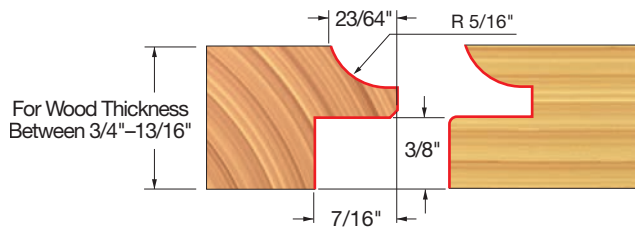


Spindle Lowered for Cope Cut

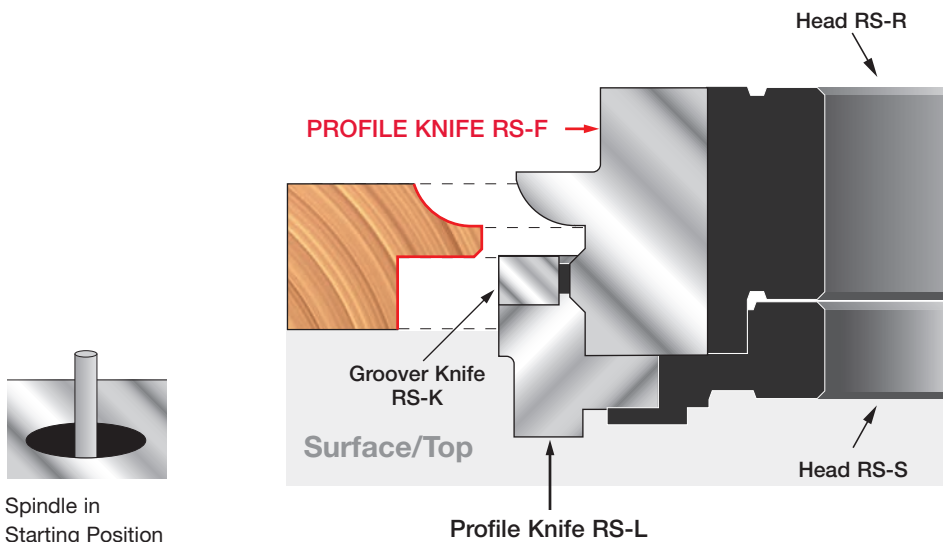
Profile Knife RS-F Glass Panel Door Set-Up



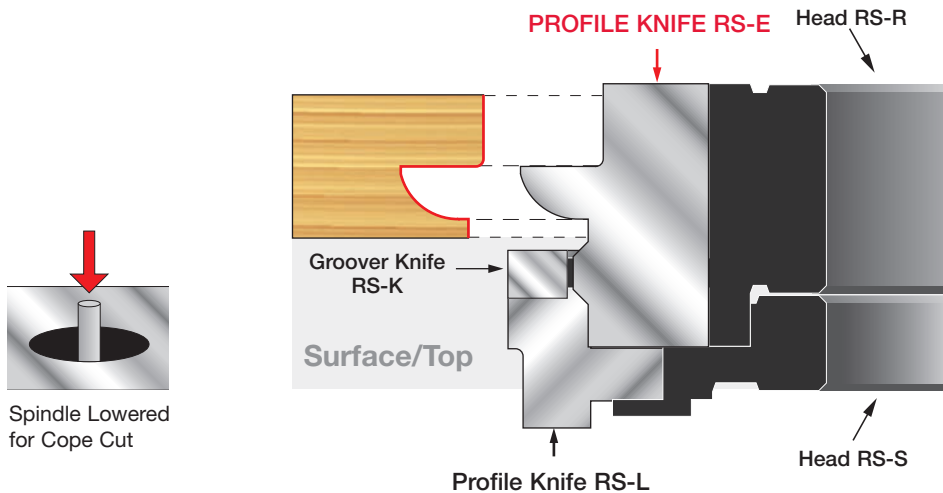
PERFORMANCE SYSTEM® CUTTERS



Uses: Knife RS-F, Knife RS-E, Knife RS-L, Head RS-R, and Head RS-S



Spindle in
Starting Position
for Profile Cut



Spindle Lowered
for Cope Cut

USE IN



Shaper Machine

APPLICATION

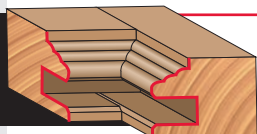
Allows for the insertion and removal of a glass panel on a rabbeted groove. Use a small molding to hold glass in place. No shimming should be needed.

MATERIALS



SHAPER CUTTERS

PERFORMANCE SYSTEM® CUTTERS



Profile Knife RS-G Raised Panel Door Set-Up

USE IN



Shaper Machine

APPLICATION

Constructing raised panel doors with eased over edges on the inside of the panel groove for less splintering, easier finishing, and easier insertion of panels. Shimming should be done between the cutter heads to achieve the fit required.

MATERIALS

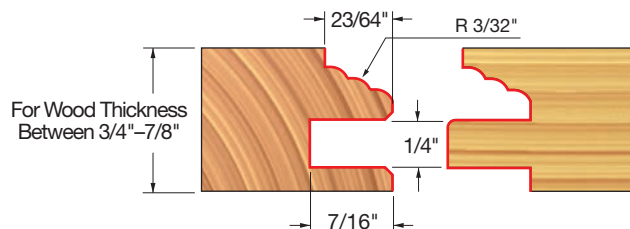


Hardwood

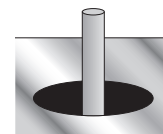
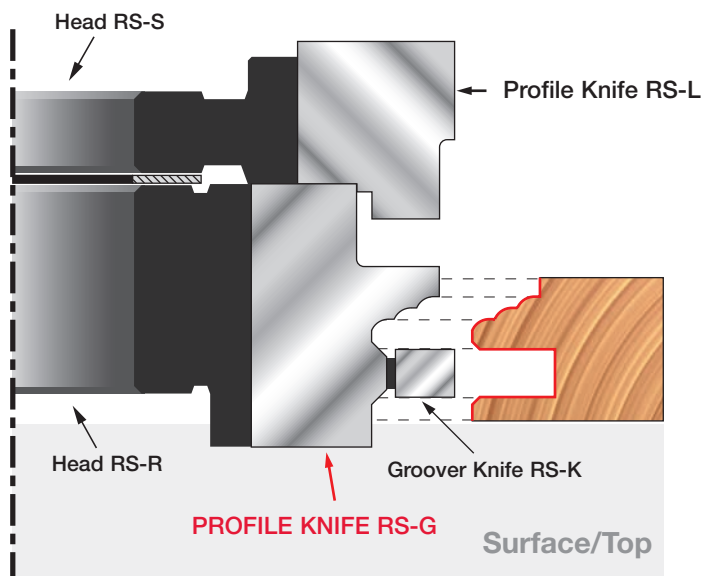
Softwood

MDF

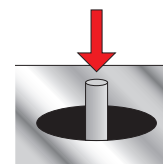
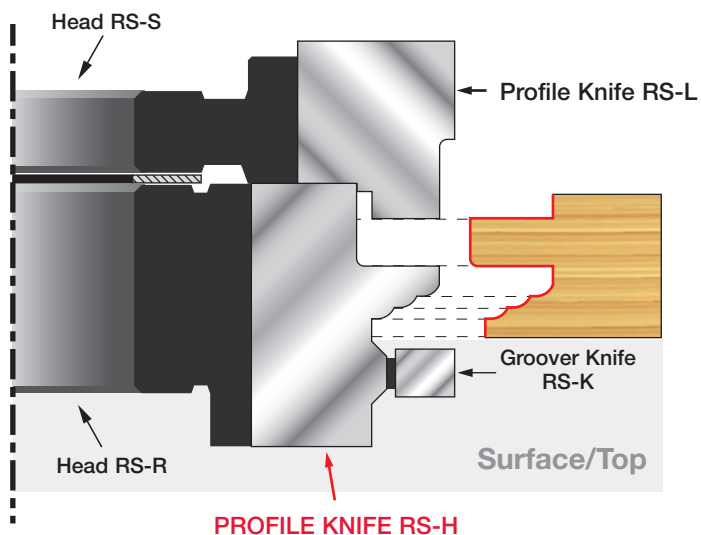
Plywood



Uses: Knife RS-G, Knife RS-H, Knife RS-L, Head RS-R, and Head RS-S

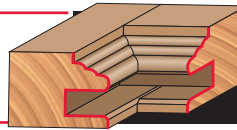


Spindle in
Starting Position
for Profile Cut

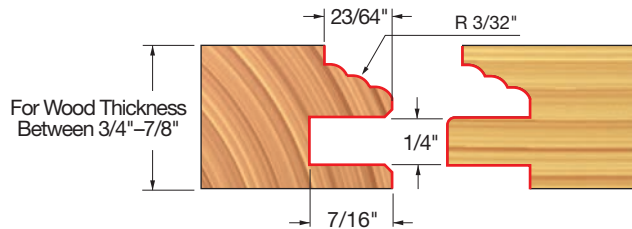


Spindle Lowered
for Cope Cut

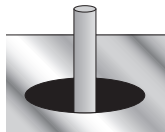
Profile Knife RS-G Glass Panel Door Set-Up



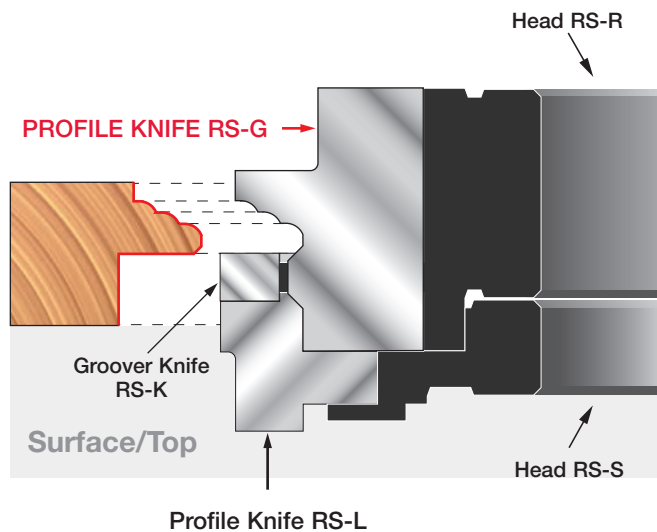
PERFORMANCE SYSTEM® CUTTERS



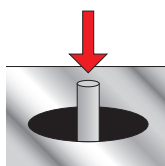
Uses: Knife RS-G, Knife RS-H, Knife RS-L, Head RS-R, and Head RS-S



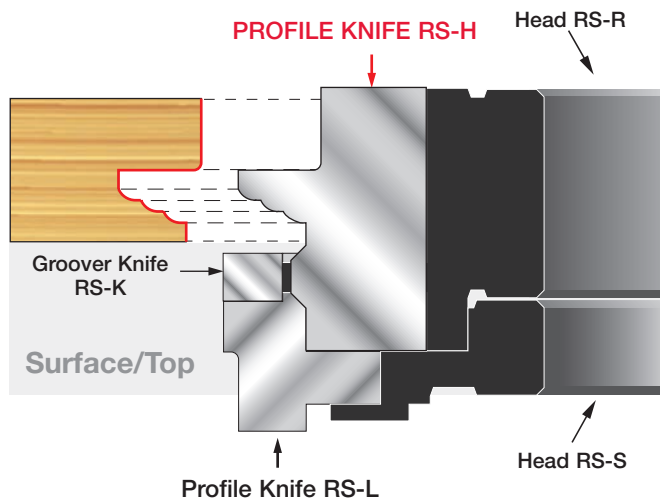
Spindle in Starting Position for Profile Cut



Profile Knife RS-L



Spindle Lowered for Cope Cut



Profile Knife RS-L

USE IN



Shaper Machine

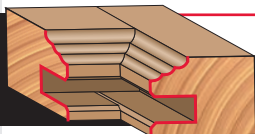
APPLICATION

Allows for the insertion and removal of a glass panel on a rabbeted groove. Use a small molding to hold glass in place. No shimming should be needed.

MATERIALS



PERFORMANCE SYSTEM® CUTTERS



Profile Knife RS-H Raised Panel Door Set-Up

USE IN



Shaper Machine

APPLICATION

Constructing raised panel doors with eased over edges on the inside of the panel groove for less splintering, easier finishing, and easier insertion of panels. Shimming should be done between the cutter heads to achieve the fit required.

MATERIALS

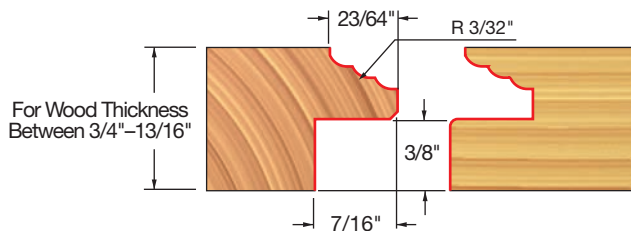


Hardwood

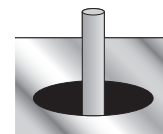
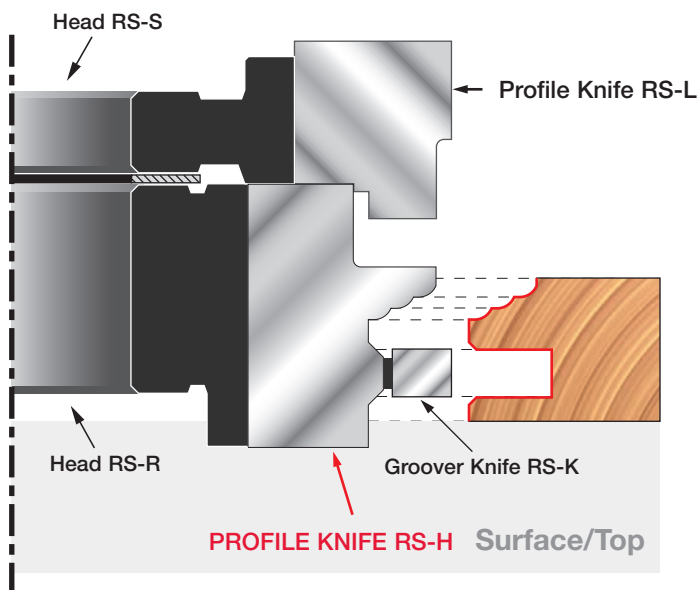
Softwood

MDF

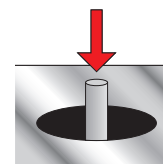
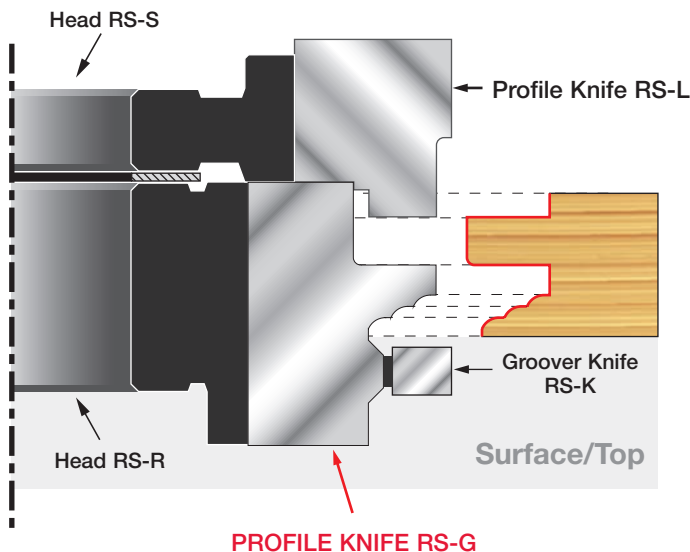
Plywood



Uses: Knife RS-H, Knife RS-G, Knife RS-L, Head RS-R, and Head RS-S

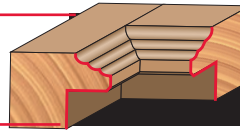


Spindle in
Starting Position
for Profile Cut

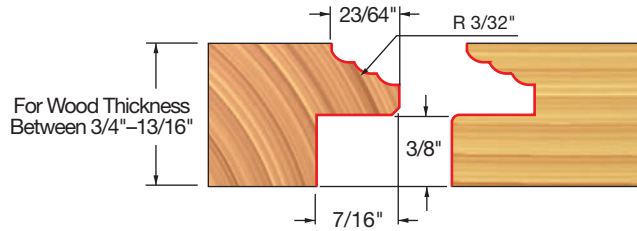


Spindle Lowered
for Cope Cut

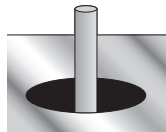
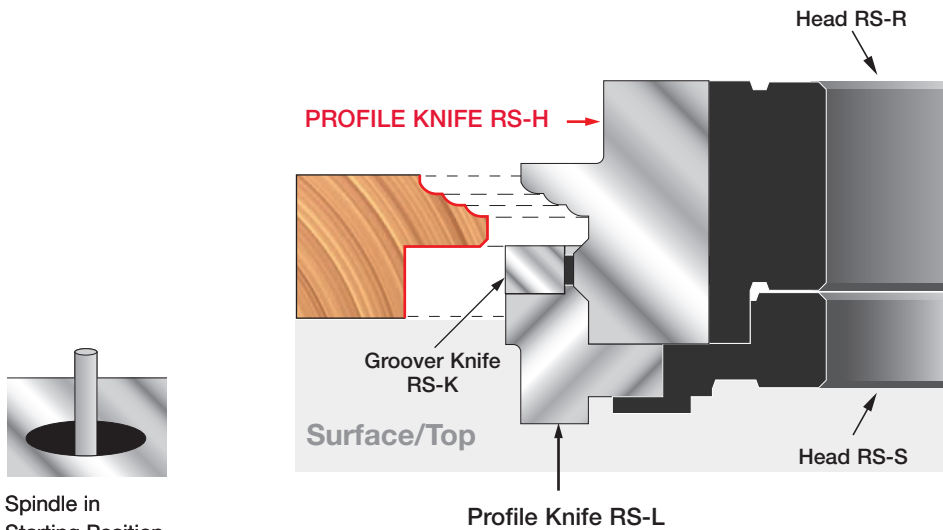
Profile Knife RS-H Glass Panel Door Set-Up



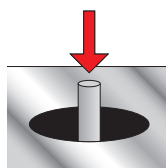
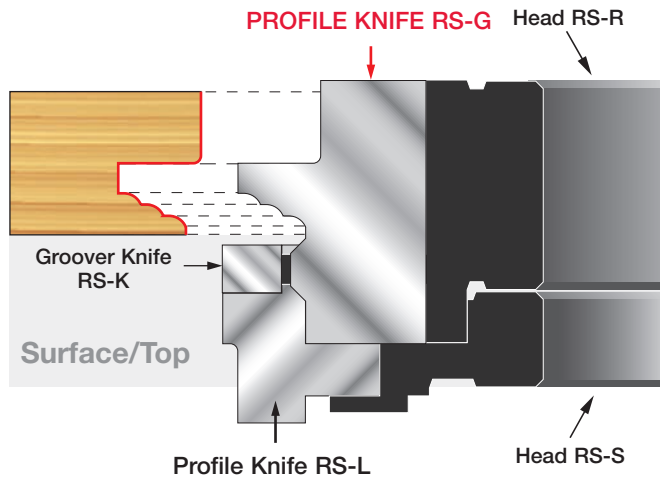
PERFORMANCE SYSTEM® CUTTERS



Uses: Knife RS-H, Knife RS-G, Knife RS-L, Head RS-R, and Head RS-S



Spindle in
Starting Position
for Profile Cut



Spindle Lowered
for Cope Cut

USE IN



Shaper Machine

APPLICATION

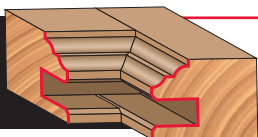
Allows for the insertion and removal of a glass panel on a rabbeted groove. Use a small molding to hold glass in place. No shimming should be needed.

MATERIALS



SHAPER CUTTERS

PERFORMANCE SYSTEM® CUTTERS



Profile Knife RS-I Raised Panel Door Set-Up

USE IN



Shaper Machine

APPLICATION

Constructing raised panel doors with eased over edges on the inside of the panel groove for less splintering, easier finishing, and easier insertion of panels. Shimming should be done between the cutter heads to achieve the fit required.

MATERIALS

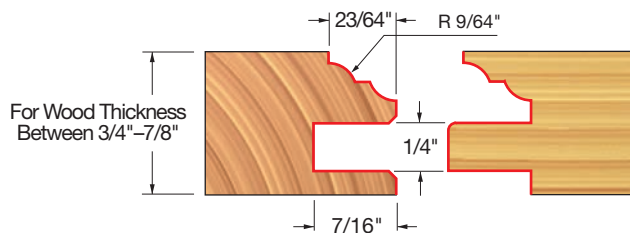


Hardwood

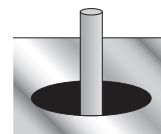
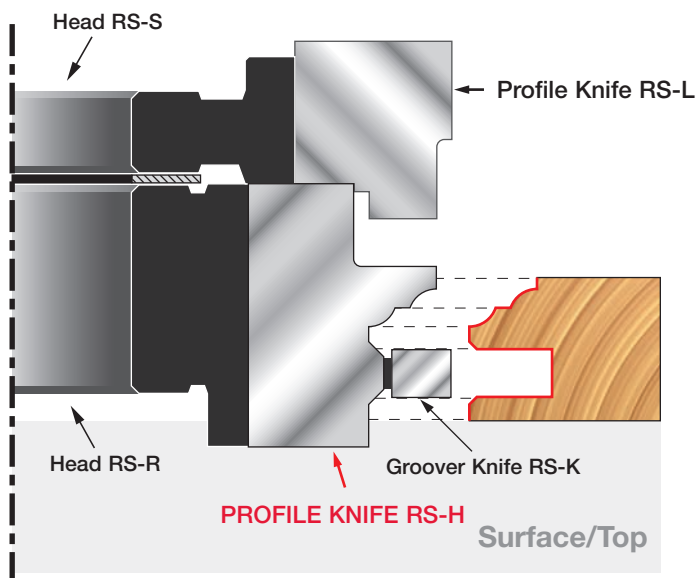
Softwood

MDF

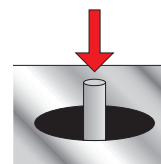
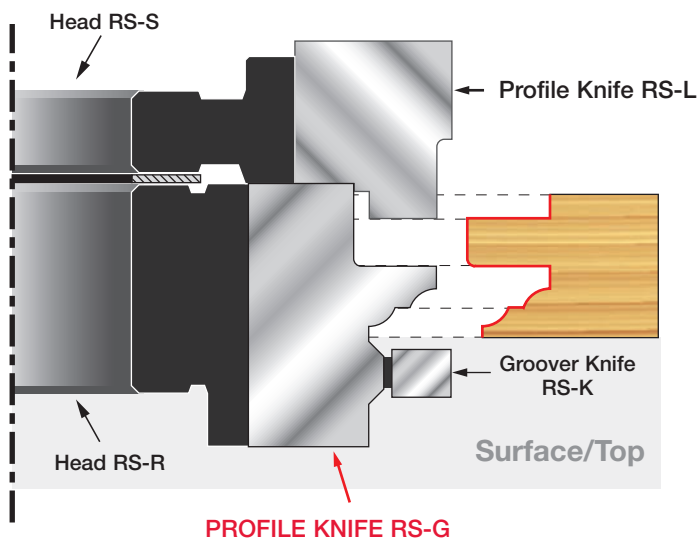
Plywood



Uses: Knife RS-I, Knife RS-L, Head RS-R, and Head RS-S

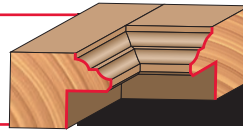


Spindle in
Starting Position
for Profile Cut

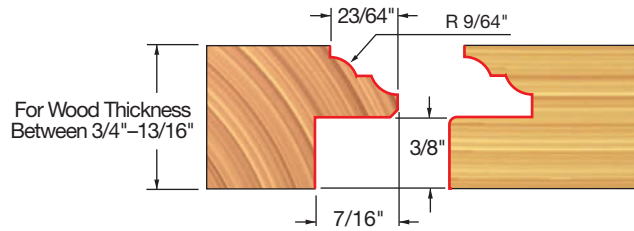


Spindle Lowered
for Cope Cut

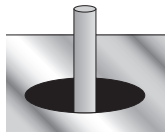
Profile Knife RS-I Glass Panel Door Set-Up



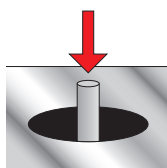
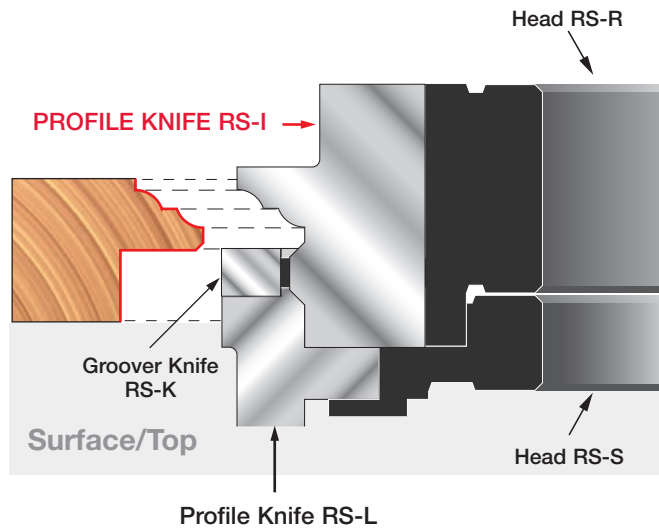
PERFORMANCE SYSTEM® CUTTERS



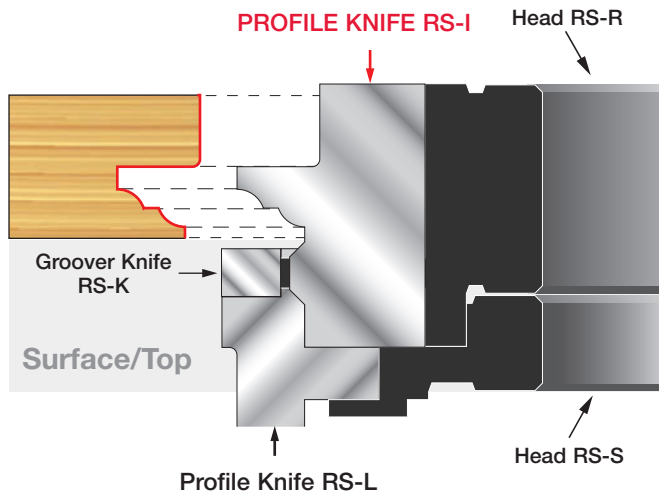
Uses: Knife RS-I, Knife RS-L, Head RS-R, and Head RS-S



Spindle in Starting Position for Profile Cut



Spindle Lowered for Cope Cut



USE IN



Shaper Machine

APPLICATION

Allows for the insertion and removal of a glass panel on a rabbeted groove. Use a small molding to hold glass in place. No shimming should be needed.

MATERIALS



SHAPER CUTTERS

PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

To be used with cutterhead DE-1000 to provide a smooth edge treatment on cabinet doors. Profile allows opening of cabinet doors and drawers without pulls.

Profile knives can be purchased separately.

MATERIALS



Hardwood

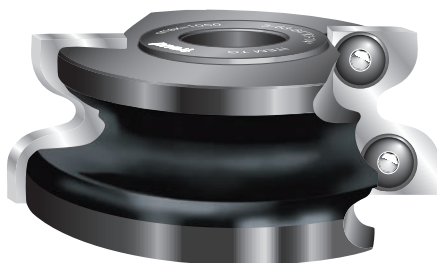
Softwood

MDF

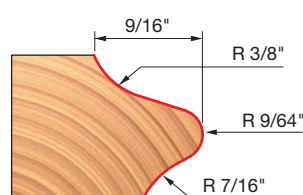
Plywood

One Piece Door Edge Profile Cutters

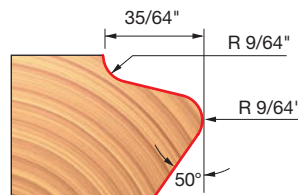
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	BORE DIAMETER
DE-1000	3-63/64"	1-37/64"	1-1/4"



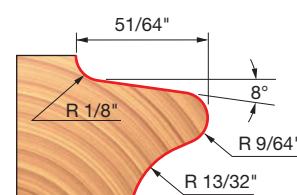
Cutterhead DE-1000



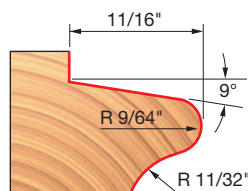
PROFILE KNIFE DE-A
HEAD DE-1000



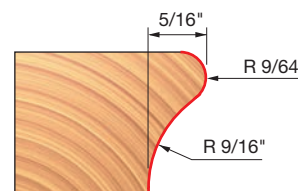
PROFILE KNIFE DE-B
HEAD DE-1000



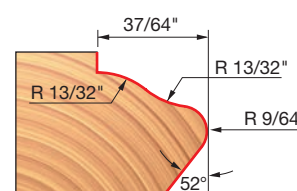
PROFILE KNIFE DE-C
HEAD DE-1000



PROFILE KNIFE DE-D
HEAD DE-1000



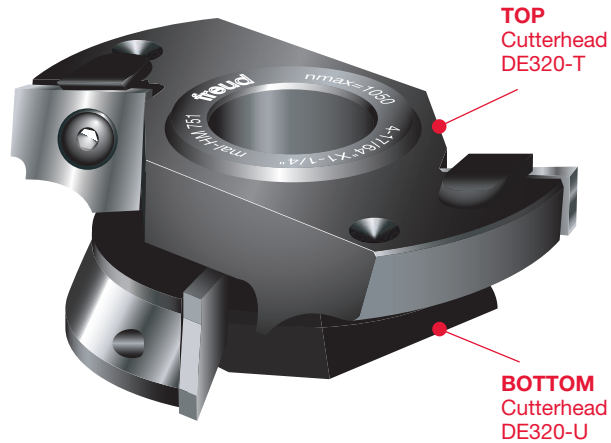
PROFILE KNIFE DE-E
HEAD DE-1000



PROFILE KNIFE DE-F
HEAD DE-1000

Two Piece 32mm Door Edge Profile Cutters

ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	BORE DIAMETER
DE320-T	4-17/64"	63/64"	1-1/4"
DE320-U	3-1/2"	25/32"	1-1/4"



USE IN



Shaper Machine

APPLICATION

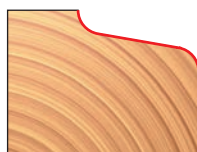
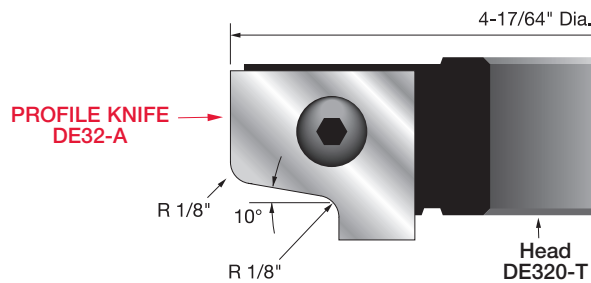
Cut a wide variety of door edge profiles particularly suited for cabinets using the 32mm system. The heads can be used alone or in combination with each other. Profile allows opening of cabinet doors and drawers without pulls.

Profile knives can be purchased separately.

MATERIALS



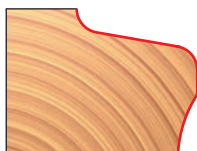
TOP PROFILE CUTTER KNIVES FOR CUTTERHEAD DE320-T



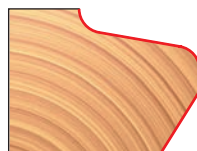
TOP: Profile Knife DE32-A
Head DE320-T



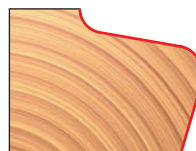
TOP: Profile Knife DE32-A
Head DE320-T
BOTTOM: Profile Knife DE32-J
Head DE320-U



TOP: Profile Knife DE32-A
Head DE320-T
BOTTOM: Profile Knife DE32-K
Head DE320-U



TOP: Profile Knife DE32-A
Head DE320-T
BOTTOM: Profile Knife DE32-L
Head DE320-U



TOP: Profile Knife DE32-A
Head DE320-T
BOTTOM: Profile Knife DE32-M
Head DE320-U

PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Cut a wide variety of door edge profiles particularly suited for cabinets using the 32mm system. The heads can be used alone or in combination with each other. Profile allows opening of cabinet doors and drawers without pulls.

Profile knives can be purchased separately.

MATERIALS



Hardwood

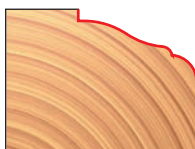
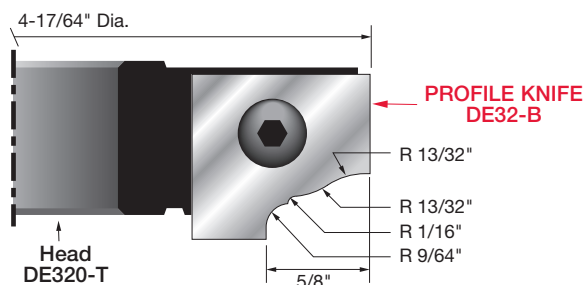
Softwood

MDF

Plywood

Two Piece 32mm Door Edge Profile Cutters

CONTINUED



TOP: Profile Knife DE32-B
Head DE320-T



TOP: Profile Knife DE32-B
Head DE320-U

BOTTOM: Profile Knife DE32-J
Head DE320-U



TOP: Profile Knife DE32-B
Head DE320-T

BOTTOM: Profile Knife DE32-K
Head DE320-U



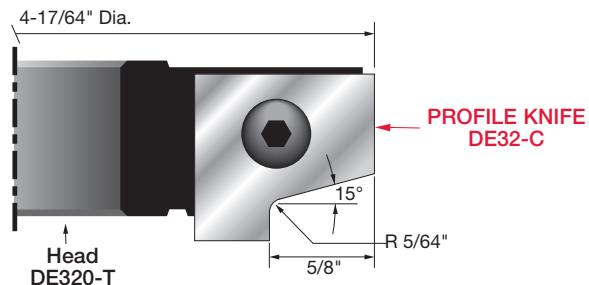
TOP: Profile Knife DE32-B
Head DE320-T

BOTTOM: Profile Knife DE32-L
Head DE320-U



TOP: Profile Knife DE32-B
Head DE320-T

BOTTOM: Profile Knife DE32-M
Head DE320-U

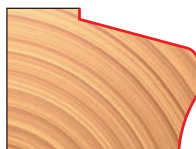


TOP: Profile Knife DE32-C
Head DE320-T



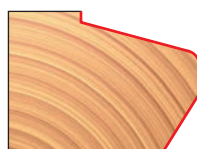
TOP: Profile Knife DE32-C
Head DE320-T

BOTTOM: Profile Knife DE32-J
Head DE320-U



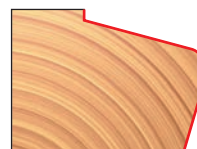
TOP: Profile Knife DE32-C
Head DE320-T

BOTTOM: Profile Knife DE32-K
Head DE320-U



TOP: Profile Knife DE32-C
Head DE320-T

BOTTOM: Profile Knife DE32-L
Head DE320-U

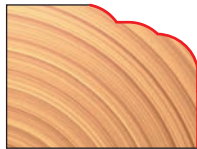
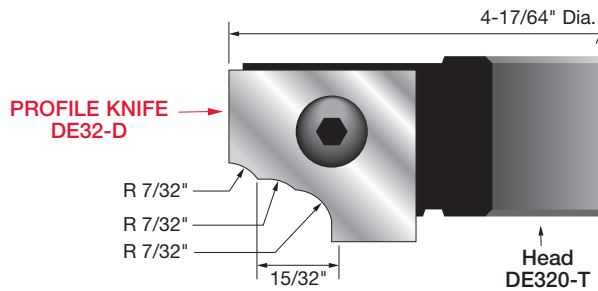


TOP: Profile Knife DE32-C
Head DE320-T

BOTTOM: Profile Knife DE32-M
Head DE320-U

Two Piece 32mm Door Edge Profile Cutters

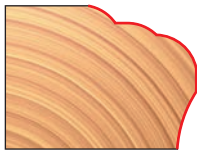
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TOP: Profile Knife DE32-D
Head DE320-T



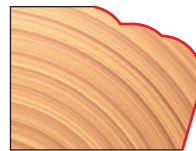
TOP: Profile Knife DE32-D
Head DE320-T
BOTTOM: Profile Knife DE32-J
Head DE320-U



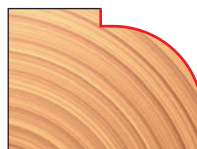
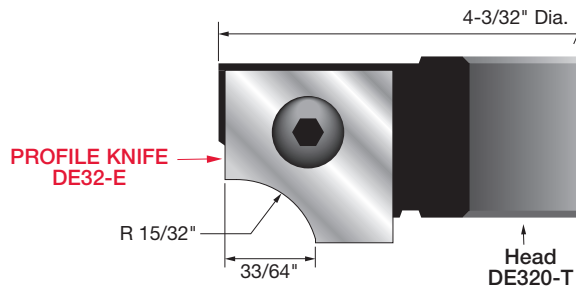
TOP: Profile Knife DE32-D
Head DE320-T
BOTTOM: Profile Knife DE32-K
Head DE320-U



TOP: Profile Knife DE32-D
Head DE320-T
BOTTOM: Profile Knife DE32-L
Head DE320-U



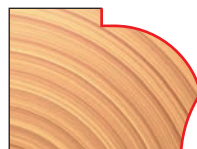
TOP: Profile Knife DE32-D
Head DE320-T
BOTTOM: Profile Knife DE32-M
Head DE320-U



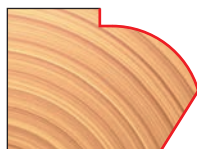
TOP: Profile Knife DE32-D
Head DE320-T



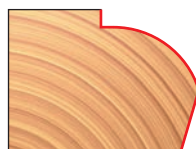
TOP: Profile Knife DE32-D
Head DE320-T
BOTTOM: Profile Knife DE32-J
Head DE320-U



TOP: Profile Knife DE32-D
Head DE320-T
BOTTOM: Profile Knife DE32-K
Head DE320-U



TOP: Profile Knife DE32-D
Head DE320-T
BOTTOM: Profile Knife DE32-L
Head DE320-U



TOP: Profile Knife DE32-D
Head DE320-T
BOTTOM: Profile Knife DE32-M
Head DE320-U

PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Cut a wide variety of door edge profiles particularly suited for cabinets using the 32mm system. The heads can be used alone or in combination with each other. Profile allows opening of cabinet doors and drawers without pulls.

Profile knives can be purchased separately.

MATERIALS



Hardwood



Softwood



MDF



Plywood

PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Cut a wide variety of door edge profiles particularly suited for cabinets using the 32mm system. The heads can be used alone or in combination with each other. Profile allows opening of cabinet doors and drawers without pulls.

Profile knives can be purchased separately.

MATERIALS



Hardwood

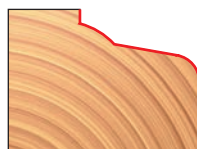
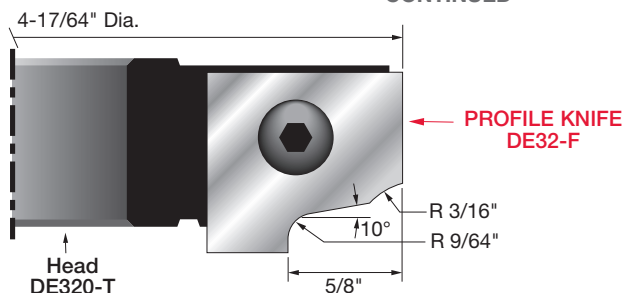
Softwood

MDF

Plywood

Two Piece 32mm Door Edge Profile Cutters

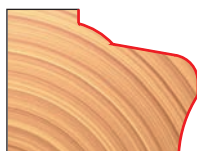
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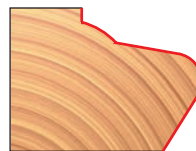
TOP: Profile Knife DE32-F
Head DE320-T



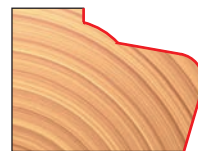
TOP: Profile Knife DE32-F
Head DE320-T
BOTTOM: Profile Knife DE32-J
Head DE320-U



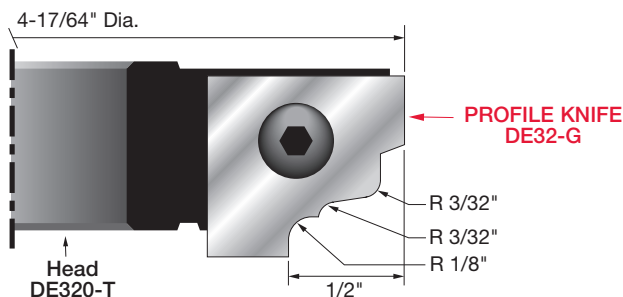
TOP: Profile Knife DE32-F
Head DE320-T



TOP: Profile Knife DE32-F
Head DE320-T
BOTTOM: Profile Knife DE32-L
Head DE320-U



TOP: Profile Knife DE32-F
Head DE320-T
BOTTOM: Profile Knife DE32-M
Head DE320-U



TOP: Profile Knife DE32-G
Head DE320-T



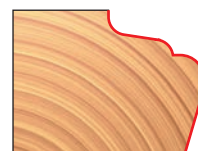
TOP: Profile Knife DE32-G
Head DE320-T
BOTTOM: Profile Knife DE32-J
Head DE320-U



TOP: Profile Knife DE32-G
Head DE320-T
BOTTOM: Profile Knife DE32-K
Head DE320-U



TOP: Profile Knife DE32-G
Head DE320-T
BOTTOM: Profile Knife DE32-L
Head DE320-U



TOP: Profile Knife DE32-G
Head DE320-T
BOTTOM: Profile Knife DE32-M
Head DE320-U

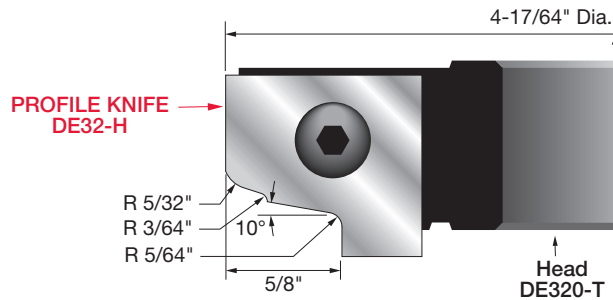
Black Item Numbers
Indicate 3/4" Bore

Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

Two Piece 32mm Door Edge Profile Cutters

CONTINUED



TOP: Profile Knife DE32-H
Head DE320-T



TOP: Profile Knife DE32-H
Head DE320-T
BOTTOM: Profile Knife DE32-J
Head DE320-U



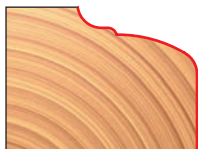
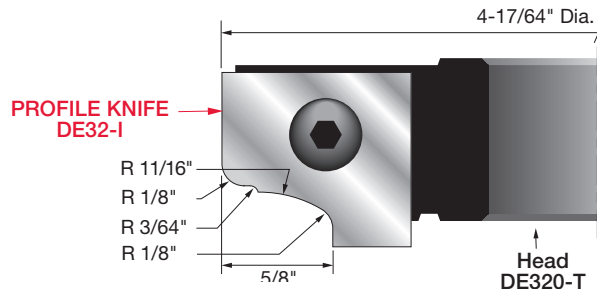
TOP: Profile Knife DE32-H
Head DE320-T
BOTTOM: Profile Knife DE32-K
Head DE320-U



TOP: Profile Knife DE32-H
Head DE320-T
BOTTOM: Profile Knife DE32-L
Head DE320-U



TOP: Profile Knife DE32-H
Head DE320-T
BOTTOM: Profile Knife DE32-M
Head DE320-U



TOP: Profile Knife DE32-I
Head DE320-T



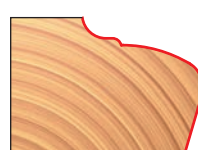
TOP: Profile Knife DE32-I
Head DE320-T
BOTTOM: Profile Knife DE32-J
Head DE320-U



TOP: Profile Knife DE32-I
Head DE320-T
BOTTOM: Profile Knife DE32-K
Head DE320-U



TOP: Profile Knife DE32-I
Head DE320-T
BOTTOM: Profile Knife DE32-L
Head DE320-U



TOP: Profile Knife DE32-I
Head DE320-T
BOTTOM: Profile Knife DE32-M
Head DE320-U

PERFORMANCE SYSTEM® CUTTERS

USE IN



Shaper Machine

APPLICATION

Cut a wide variety of door edge profiles particularly suited for cabinets using the 32mm system. The heads can be used alone or in combination with each other. Profile allows opening of cabinet doors and drawers without pulls.

Profile knives can be purchased separately.

MATERIALS



Hardwood



Softwood



MDF



Plywood

SHAPER CUTTERS

PERFORMANCE SYSTEM® CUTTERS

USE IN

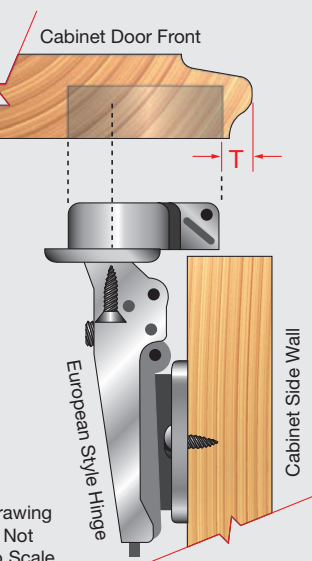


Shaper Machine

HOW TO SELECT THE PROPER BOTTOM PROFILE

The bottom edge profiles are designed to work with today's European concealed boss hinges used in 32mm style cabinets. These profiles provide the maximum aesthetic look while maintaining door integrity. From the illustration below, if T is 3mm or more, then bottom profile knives DE32-K and DE32-M can be used (typical with standard hinges). If T is 6mm or more, then bottom profile knives DE32-J and DE32-L can be used.

MATERIALS

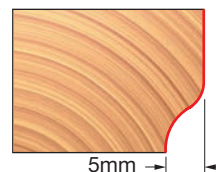
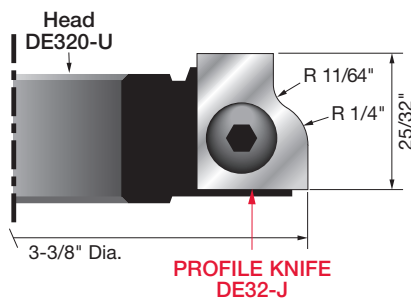


Drawing
Is Not
To Scale

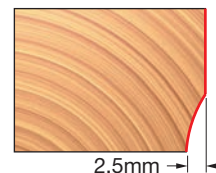
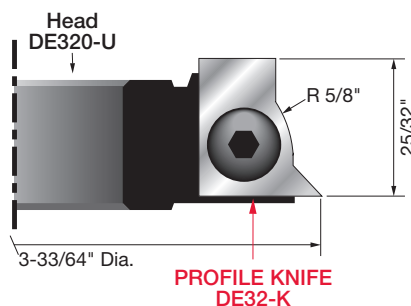
Two Piece 32mm Door Edge Profile Cutters

CONTINUED

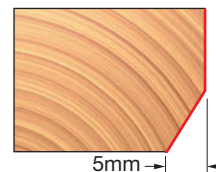
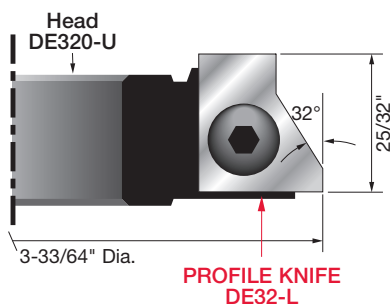
BOTTOM PROFILE CUTTER KNIVES FOR CUTTERHEAD DE320-U



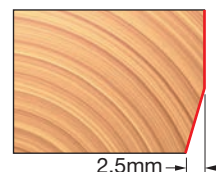
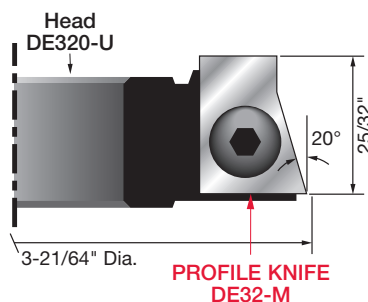
Profile Knife DE32-J
Head DE320-U



Profile Knife DE32-K
Head DE320-U

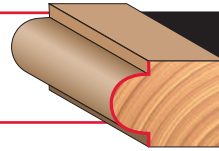


Profile Knife DE32-L
Head DE320-U



Profile Knife DE32-M
Head DE320-U

Concave Radius Knives & Head



PERFORMANCE SYSTEM® CUTTERS

Concave Radius Head

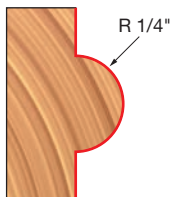
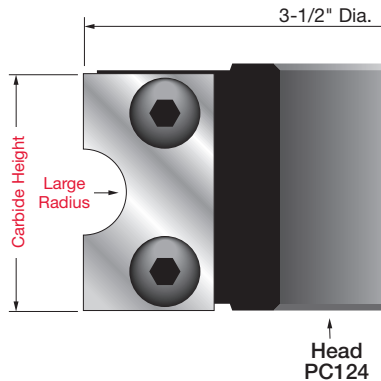
ITEM NUMBER	PART DESCRIPTION	NUMBER OF KNIVES REQUIRED	BORE DIAMETER
PC124	3-1/2"	2	1-1/4"

Knives sold separately

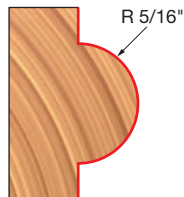
Concave Radius Knives

ITEM NUMBER	CARBIDE HEIGHT	LARGE RADIUS	HEAD REQUIRED
K122	1-3/8"	1/4"	PC124
K123	1-3/8"	5/16"	PC124
K124	1-3/8"	3/8"	PC124
K125	1-3/8"	7/16"	PC124

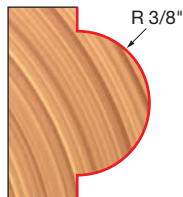
Cutterhead sold separately



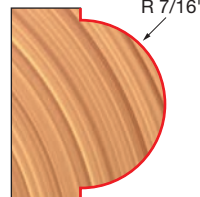
Profile Knife K122
Head PC124



Profile Knife K123
Head PC124



Profile Knife K124
Head PC124



Profile Knife K125
Head PC124

USE IN



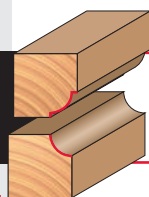
Shaper Machine

APPLICATION

These resharpenable carbide knives are designed to cut a bead, or round the end of a board. The cutterhead is computer balanced and is sold separately from the knives.

MATERIALS





Combination Quarter Round Convex & Concave Radius Knives & Head

USE IN



Shaper Machine

APPLICATION

These resharpenable carbide knives are designed to cut the same radius either concave or convex. The cutterhead is computer balanced and is sold separately from the knives.

MATERIALS



Combination Quarter Round Convex & Concave Radius Head

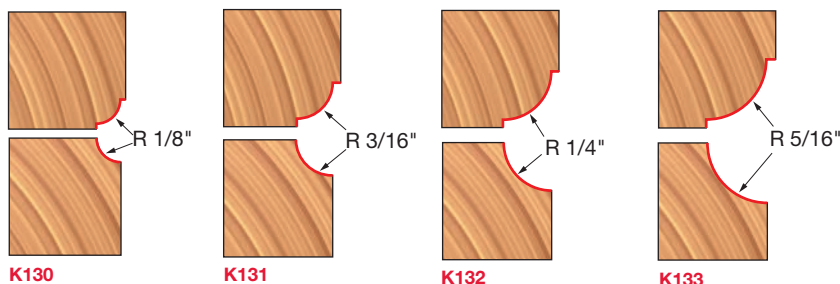
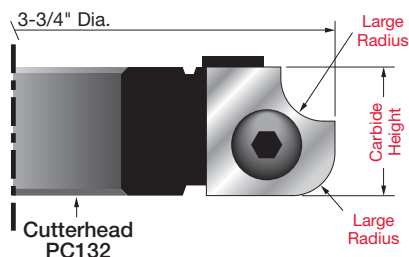
ITEM NUMBER	PART DESCRIPTION	NUMBER OF KNIVES REQUIRED	BORE DIAMETER
PC132	3-3/4"	2	1-1/4"

Knives sold separately

Combination Quarter Round Convex & Concave Radius Knives

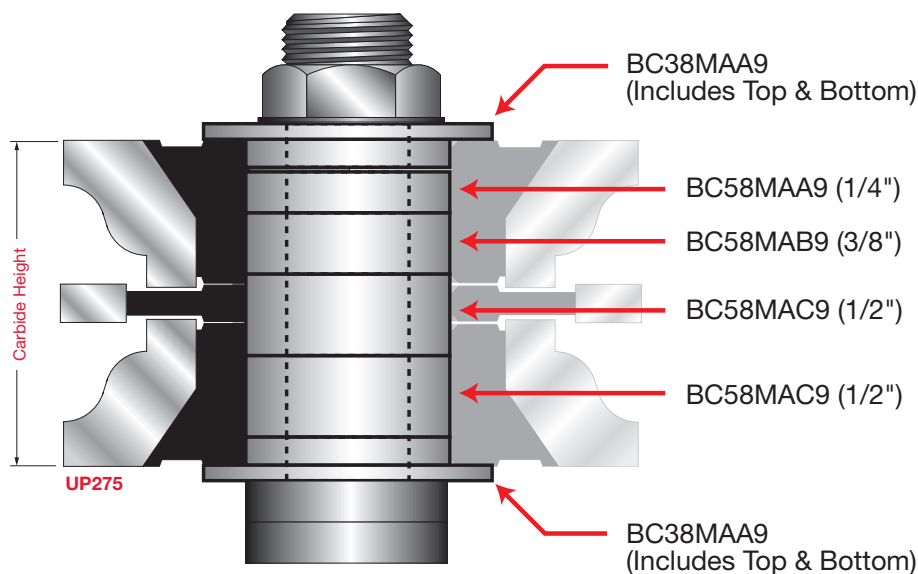
ITEM NUMBER	CARBIDE HEIGHT	LARGE RADIUS	HEAD REQUIRED
K130	3/4"	1/8"	PC132
K131	3/4"	3/16"	PC132
K132	3/4"	1/4"	PC132
K133	3/4"	5/16"	PC132

Cutterhead sold separately



Bushing Selection

EXAMPLE OF BUSHING UP275 TO 3/4" SPINDLE



The carbide height of the UP275 is 2-3/64". After subtracting the height of the BC38MAA9 flange bushings, the maximum center bushing height is obtained:
 $2\text{-}3/64" - 11/64" - 11/64" = 1\text{-}45/64"$

By choosing one BC58MAA9, one BC58MAB9 and two BC58MAC9 center bushings the total center bushing height is: $1/4" + 3/8" + 1/2" + 1/2" = 15/8"$

This will leave a space of only 1/16" and allow the cutters to be securely tightened on the spindle.

PARTS & ACCESSORIES

USE IN



Shaper Machine

APPLICATION

Freud Shaper Cutters can be fitted with bushings to allow the use of 1-1/4" bore cutters on spindles as small as 3/4". Single cutters require the use of a pair of flange bushings in the appropriate bore in order to lock the cutter onto the spindle. Multiple cutter stacks such as stile and rail cutter sets require flange bushings as well as center cutter bushings.

TO DETERMINE WHICH BUSHINGS ARE REQUIRED

1. Determine the total thickness of the stacked cutter hubs, which is often equal to carbide height
2. Subtract the height of both flange bushings. The result is the maximum total height of center bushings required
3. Select bushing sizes that equal most nearly to this amount

MATERIALS



The Performance System® Stile and Rail cutter sets and Raised Panel cutter sets include center cutter bushings for 3/4" spindles and Freud 3/4" bore cutters include all necessary bushings for use on 1/2" spindles.



PARTS & ACCESSORIES

USE IN



Shaper Machine

APPLICATION

Manufactured to the highest precision to ensure a cut equal to that of the cutter without the bushing. Be sure to clean the cutter, bushing, and spindle prior to assembly.

MATERIALS



Hardwood

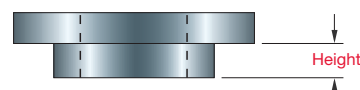
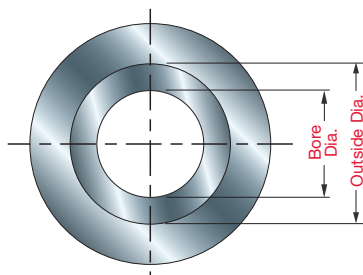
Softwood

MDF

Plywood

Flange Bushings

ITEM NUMBER	OUTSIDE DIA.	HEIGHT	BORE DIA.
BC30MAA9	1-1/4"	11/64"	30mm
BC36MAA9	1-1/4"	13/64"	1-1/8"
BC37MAA9	1-1/4"	15/64"	1"
BC38MAA9	1-1/4"	11/64"	3/4"
EC000	3/4"	3/16"	1/2"



PARTS & ACCESSORIES

USE IN



Shaper Machine

APPLICATION

Manufactured to the highest precision to ensure a cut equal to that of the cutter without the bushing. Be sure to clean the cutter, bushing, and spindle prior to assembly.

MATERIALS



Hardwood

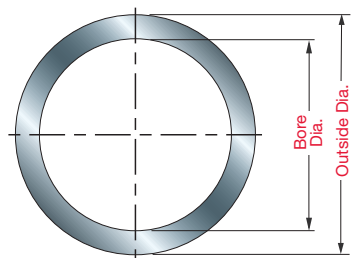
Softwood

MDF

Plywood

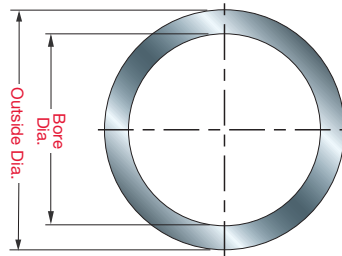
Center Cutter Bushings

ITEM NUMBER	OUTSIDE DIA.	HEIGHT	BORE DIA.
BC56MAA9	1-1/4"	1/4"	1-1/8"
BC56MAB9	1-1/4"	3/8"	1-1/8"
BC56MAC9	1-1/4"	1/2"	1-1/8"
BC57MAA9	1-1/4"	1/4"	1"
BC57MAB9	1-1/4"	3/8"	1"
BC57MAC9	1-1/4"	1/2"	1"
BC58MAA9	1-1/4"	1/4"	3/4"
BC58MAB9	1-1/4"	3/8"	3/4"
BC58MAC9	1-1/4"	1/2"	3/4"



Cassette 65 Bushings

ITEM NUMBER	OUTSIDE DIA.	HEIGHT	NUMBER OF PIECES	BORE DIA.
BS71MAB9	1-1/4"	15/64", 9/32", & 3/8"	3	1"
BS71MBA9	3/4"	15/64", 9/32", & 3/8"	3	5/8"
BS71MBB9	3/4"	15/64", 9/32", & 3/8"	3	1/2"
BS71M030	1-1/4"	15/64", 9/32", & 3/8"	3	30mm



PARTS & ACCESSORIES

USE IN



Shaper Machine

APPLICATION

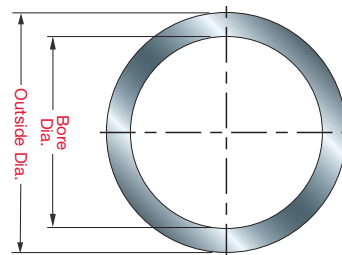
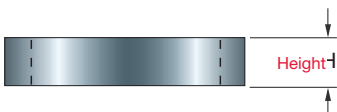
To be used with the Cassette 65 Cutter Set. Be sure to clean the cutter, bushing, and spindle prior to assembly.

MATERIALS



Woodworking Box Bushings

ITEM NUMBER	OUTSIDE DIA.	HEIGHT	BORE DIA.
BS30MAA9	1-1/4"	3/16" (2), 15/64", 9/32", & 11/32"	30mm
BS72MAA9	1-1/4"	3/16" (2), 15/64", 9/32", & 11/32"	1-1/8"
BS72MAB9	1-1/4"	3/16" (2), 15/64", 9/32", & 11/32"	1"
BS72MBA9	3/4"	3/16" (2), 15/64", 9/32", & 11/32"	5/8"
BS72MBB9	3/4"	3/16" (2), 15/64", 9/32", & 11/32"	1/2"



PARTS & ACCESSORIES

USE IN



Shaper Machine

APPLICATION

To be used with the Woodworking Box Cutter Set. Be sure to clean the cutter, bushing, and spindle prior to assembling.

MATERIALS



PARTS & ACCESSORIES

USE IN



Shaper Machine

APPLICATION

To adjust a cut for a precise fit, Freud's Precision Shim Set is a quick and easy solution. These shims allow adjustment of your cutter spacing by as little as .004" (1/250") up to .370".

MATERIALS



Hardwood



Softwood



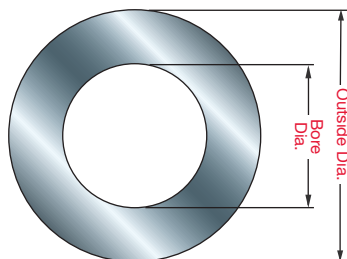
MDF



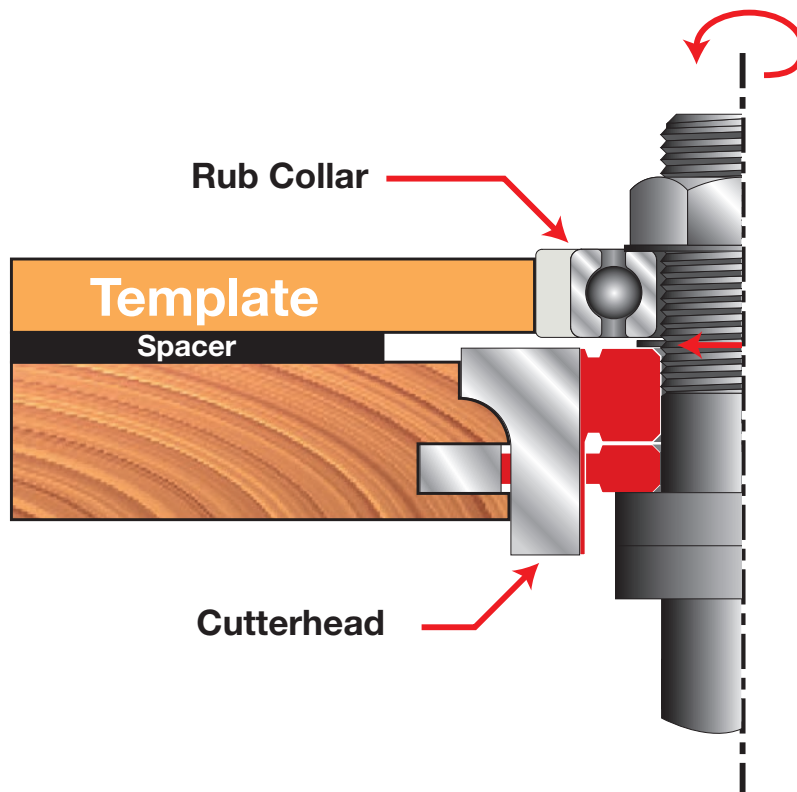
Plywood

Precision Shim Sets

ITEM NUMBER	BORE DIA.	OUTSIDE DIA.	NUMBER OF EACH THICKNESS						
			.004	.008	.012	.020	.040	.142	.370
AN73MEA9	1-1/4"	1-7/8"	1	1	1	1	1	1	1
AN73MFA9	3/4"	1-5/16"	1	1	1	1	1	1	1



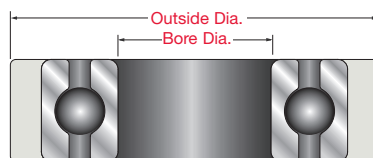
RUB COLLAR SETUP & SELECTION CHART



Ball Bearing Rub Collars

ITEM NUMBER	OUTSIDE DIA.	BORE DIA.
RC-001	48mm	3/4"
RC-002	1-3/4"	3/4"
RC-003	72mm	3/4"
RC101	2-1/4"	1-1/4"
RC102	2-1/4"	1-1/8"
RC201	2-1/2"	1-1/4"
RC202	2-1/2"	1-1/8"

ITEM NUMBER	OUTSIDE DIA.	BORE DIA.
RC205	2-1/2"	1/2"
RC301	2-3/4"	1-1/4"
RC401	3"	1-1/4"
RC501	3-1/2"	1-1/4"
RC601	3-1/4"	3/4"
RC701	4-9/16"	1-1/4"



BALL BEARING RUB COLLARS REFERENCE CHART

ITEM NO.	RUB COLLAR NO.	ITEM NO.	RUB COLLAR NO.	ITEM NO.	RUB COLLAR NO.	ITEM NO.	RUB COLLAR NO.
EC091	RC-001	UC210	RC-002	UP201	RC10#	UP260	RC30#
EC140	RC-003	UC211	RC-002	UP202	RC10#	UP261	RC30#
EC141	RC-003	UC212	RC-002	UP203	RC10#	UP262	RC30#
EC142	RC-003	UC213	RC-002	UP204	RC10#	UP263	RC30#
EC143	RC-003	UC215	RC-002	UP205	RC10#	UP264	RC30#
EC144	RC-003	UC221	RC-002	UP206	RC10#	UP265	RC30#
EC146	RC-003	UC223	RC-002	UP207	RC10#	UP266	RC30#
EC260	RC-001	UP016	RC10#	UP208	RC10#	UP267	RC30#
EC266	RC-001	UP140	RC50#	UP209	RC10#	UP268	RC30#
EC270	RC-001	UP141	RC50#	UP210	RC10#	UP269	RC20#
EC274	RC-001	UP142	RC50#	UP211	RC10#	UP270	RC20#
RP1000	RC10#	UP143	RC50#	UP212	RC10#	UP272	RC20#
RP2000	RC10#	UP144	RC50#	UP213	RC10#	UP273	RC20#
RS1000	RSC-#	UP145	RC50#	UP214	RC10#	UP274	RC20#
RS2000	RSC-#	UP146	RC50#	UP215	RC10#	UP275	RC20#
UC200	RC-002	UP147	RC50#	UP216	RC10#	WB101	RC601
UC201	RC-002	UP148	RC50#	UP217	RC10#	WB102	RC701
UC202	RC-002	UP149	RC50#	UP218	RC10#		
UC203	RC-002	UP150	RC50#	UP219	RC10#		
UC204	RC-002	UP151	RC50#	UP220	RC10#		
UC207	RC-002	UP152	RC50#	UP221	RC10#		
UC208	RC-002	UP153	RC50#	UP222	RC10#		
UC209	RC-002	UP200	RC10#	UP223	RC10#		

Black Item Numbers
Indicate 3/4" Bore

Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

PARTS & ACCESSORIES

USE IN



Shaper Machine

APPLICATION

Made using precision industrial ball bearings, these are ideal for doing template work or making cathedral doors

MATERIALS



PARTS & ACCESSORIES

USE IN



Shaper Machine

APPLICATION

These resharpenable carbide knives are designed to cut the same radius either concave or convex. The cutterhead is computer balanced and is sold separately from the knives.

MATERIALS



Hardwood

Softwood

MDF

Plywood

Replacement Carbide Profile Knives for Performance System® Shaper Cutters

RP2000 Raised Panel System Replacement Knives

ITEM NUMBER	PROFILE DESCRIPTION	PANEL THICKNESS	FOR CUTTER HEAD	PAGE NUMBER
RP-A	Bevel Profile Knife*	(5/8"Panels)	RP1000	308
RP-A34	Bevel Profile Knife**	(3/4"Panels)	RP1000	308
RP-B	Bevel Profile Knife*	(5/8"Panels)	RP1000	308
RP-B34	Bevel Profile Knife**	(3/4"Panels)	RP1000	309
RP-C	Ogee Profile Knife*	(5/8"Panels)	RP1000	309
RP-C34	Ogee Profile Knife**	(3/4"Panels)	RP1000	312
RP-D	Ogee Profile Knife*	(5/8"Panels)	RP1000	312
RP-D34	Ogee Profile Knife**	(3/4"Panels)	RP1000	311
RP-E	Cove Profile Knife*	(5/8"Panels)	RP1000	311
RP-E34	Cove Profile Knife**	(3/4"Panels)	RP1000	312

* Primarily for raising 5/8" thick panels but can be used to raise 3/4" thick panels when combined with a back cutter.

**For 3/4" raising 3/4" thick panels.



Replacement Carbide Profile Knives for Performance System® Shaper Cutters

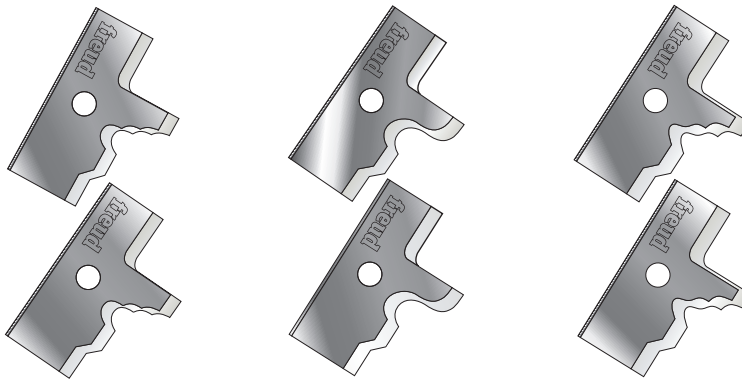
RS2000 Rail and Stile Door System Replacement Knives

ITEM NUMBER	PROFILE DESCRIPTION	FOR CUTTER HEAD	PAGE NUMBER
RS-K**	Groover Knives	RS-R	317
RS-L*	Back Tenon Knife	RS-S	317
RS-A	Roman Ogee Profile Knives	RS-R	318-319
RS-B	Ogee Profile Knives	RS-R	320-321
RS-C	Bead Profile Knives	RS-R	322-323
RS-D	Cove & Fillet Profile Knives	RS-R	324-325
RS-E	Round Over Profile Knives	RS-R	326-327
RS-F	Cove Profile Knives	RS-R	328-329
RS-G	Multi-Bead Profile Knives	RS-R	330-331
RS-H	Multi-Cove Profile Knives	RS-R	332-333
RS-I	Cove & Bead Profile Knives	RS-R	334-335

"#" Determines bore size. See Bushing & Rub Collars for bore selection.

*Glass Door and Back Tenon knife for Head RS-S

**Groover Knives for Head RS-R



PARTS & ACCESSORIES

USE IN



Shaper Machine

APPLICATION

These resharpenable carbide knives are designed to cut the same radius either concave or convex. The cutterhead is computer balanced and is sold separately from the knives.

MATERIALS



Hardwood

Softwood

MDF

Plywood

PARTS & ACCESSORIES

USE IN



Shaper Machine

APPLICATION

For general use in scoring, shaping and planing of panel materials and solid wood

MATERIALS



Hardwood



Softwood



MDF



Laminate

Carbide Insert Knives

Straight Knives - Turnover Knives

ITEM NUMBER	LENGTH	WIDTH	THICKNESS	SIDES
RG01MAA310	14	14	2	4
RG01MAB310	14	14	1.2	4
RG01MAG310	14	14	2	4
RG01MBA310	15	15	2.5	4
RG02MAA305	22.86	22.86	2.5	3
RG03MAA305	21.9	21.9	2.5	3
CG06MAA310*	12	12	1.5	2
CG06MCA310*	20	12	1.5	2
CG06MDA310*	30	12	1.5	2
CG06MEA310*	40	12	1.5	2
CG06MFA310*	50	12	1.5	2
CG06MGA310*	60	12	1.5	2
CG08MBA310	12	12	1.5	2
CG08MCA310	15	12	1.5	2
CG08MDA310	20	12	1.5	2
CG08MEA310	30	12	1.5	2
CG08MFA310	50	12	1.5	2
CG08MGA310	60	12	1.5	2
CG08MLA310	40	12	1.5	2

Red Item Numbers for Laminate and Composites

* Solid Wood



For universal use in Molder Heads, Shaper Cutters, Milling Cutters and Hogging Units

Carbide Insert Knives

PARTS & ACCESSORIES

CONTINUED

Straight Cutting Edge with Rounded Corners

ITEM NUMBER	LENGTH	WIDTH	THICKNESS	EDGES	BACK RELIEF	RADIUS	RADIUS CORNER
RR01MAA310	14	14	2	4	30°	-	0.5
RR01MAB310	14	14	2	4	37°	-	0.5
RR01MBA310	14.6	14.6	2.5	4	30°	-	0.5
RR01MCA310	15	15	2.5	4	30°	-	0.5
RR01MCB310	15	15	2.5	4	37°	-	0.5

Cutting Edge with Radius and Standard Corners

ITEM NUMBER	LENGTH	WIDTH	THICKNESS	EDGES	BACK RELIEF	RADIUS	RADIUS CORNER
RR10MAA310	14	14	2	4	30°	150	-
RR10MBA310	14.6	14.6	2.5	4	30°	150	-
RR10MCA310	15	15	2.5	4	30°	150	-
RR10MCB310	15	15	2.5	4	30°	50	-

Cutting Edge with Radius and Corners

ITEM NUMBER	LENGTH	WIDTH	THICKNESS	EDGES	BACK RELIEF	RADIUS	RADIUS CORNER
RR11MAA310	14	14	2	4	30°	150	0.5
RR11MBA310	14.6	14.6	2.5	4	30°	150	0.5
RR11MCA310	15	15	2.5	4	30°	150	0.5
RR11MCB310	15	15	2.5	4	30°	50	0.5
RR11MCC310	15	15	2.5	4	30°	115	0.5

USE IN



Shaper Machine

APPLICATION

For general use in scoring, shaping and planing of panel materials and solid wood

MATERIALS



Hardwood

Softwood

MDF

Plywood

SHAPER CUTTERS

PARTS & ACCESSORIES

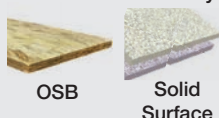
APPLICATION

Made from a premium High Speed Steel stock, each item is pre-ground to a razor sharp edge to provide a super smooth cut

MATERIALS



Hardwood Softwood Plywood



OSB

Solid Surface

High Speed Steel Industrial Planer & Jointer Knives

ITEM NUMBER	LENGTH	WIDTH	THICKNESS	NUMBER OF PIECES
C010	12"	7/8"	1/8"	1
C012	12"	7/8"	1/8"	3
C020	12-1/2"	15/16"	1/8"	1
C030	13-1/8"	11/16"	5/32"	1
C035	18"	1-1/8"	5/32"	1
C040	19"	11/16"	1/8"	1
C045	15"	1"	1/8"	3
C050	20"	1"	1/8"	1
C052	20"	1-3/16"	1/8"	4
C055	20-1/2"	11/16"	1/8"	3
C060	24"	1-1/8"	5/32"	1
C070	24"	1-1/2"	5/32"	1
C090	25"	5/8"	3/32"	1
C100	25"	5/8"	1/8"	1
C110	25"	3/4"	1/8"	1
C120	25"	1-1/4"	1/8"	1
C130	25"	1-1/4"	5/32"	1
C140	30"	1-1/2"	1/8"	1
C150	37"	1-1/8"	1/8"	1
C160	37"	1-3/8"	1/8"	1
C170	37"	1-3/8"	5/32"	1
C180	37"	1-1/4"	5/32"	1
C190	37"	1-1/2"	5/32"	1
C200	37"	2"	5/32"	1
C310	4"	5/8"	1/8"	3
C320	4"	7/8"	1/8"	3
C330	4-3/8"	11/16"	1/8"	3
C350	6"	5/8"	1/8"	3
C351	6"	5/8"	1/8"	4
C360	6"	7/8"	1/8"	3
C370	6"	1"	1/8"	2
C390	6-1/16"	3/4"	1/8"	3
C400	6-1/8"	11/16"	1/8"	3
C410	6-1/8"	3/4"	1/8"	3
C420	6-1/2"	1"	1/8"	3
C430	8"	5/8"	1/16"	4
C440	8"	5/8"	1/8"	4
C441	8"	5/8"	1/8"	3
C460	8"	3/4"	1/8"	3
C470	8"	7/8"	1/8"	3
C480	8"	1"	1/8"	3
C490	8-1/16"	5/8"	3/32"	3
C491	8-1/16"	5/8"	3/32"	4
C510	12"	5/8"	1/8"	3
C520	12"	3/4"	1/8"	3
C540	12"	1"	1/8"	3
C550	12-1/4"	5/8"	1/8"	3

* Solid Carbide

* These knives are designed for the following machines:

C600 — Ryobi AP10
C610 — Makita 2030N

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Delta® is a Registered Trademark of Black & Decker®

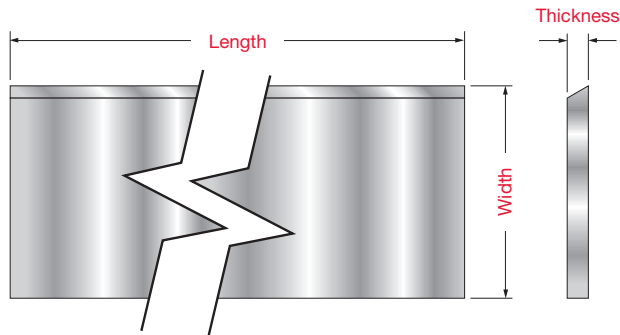
High Speed Steel Industrial Planer & Jointer Knives

CONTINUED

ITEM NUMBER	LENGTH	WIDTH	THICKNESS	NUMBER OF PIECES
C560	12-1/4"	3/4"	1/8"	3
C570	12-1/4"	1"	1/8"	3
C573	12-1/2"	11/16"	1/8"	3
C583	25"	11/16"	1/8"	3
C593	18-1/2"	11/16"	1/8"	3
C600*	10"	1-3/8"	1/8"	2
C610*	12-1/2"	35mm	1/8"	2
C620*	15-5/8"	35mm	1/8"	2
C630*	13-1/8"	1"	1/8"	3

* These knives are designed for the following machines:
C600 — Ryobi AP10
C610 — Makita 2030N
C620 — Makita 2040
C630 — Delta RC-33

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Biscuit/Plate Joiner Replacement Blade

ITEM NUMBER	LENGTH	TEETH	BORE
FI100	3-15/16"	6"	22mm
FI102	3-15/16"	8"	22mm



FI100

FI102

Black Item Numbers
Indicate 3/4" Bore

Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

PARTS & ACCESSORIES

APPLICATION

Made from a premium High Speed Steel stock, each item is pre-ground to a razor sharp edge to provide a super smooth cut

MATERIALS



PARTS & ACCESSORIES

APPLICATION

The FI100/FI102 Biscuit Joiner Blade is the perfect upgrade for your Freud JS100 or JS102 and many other popular joiners. This 3-15/16-inch blade has a 22 mm bore and features eight Super Micrograin Carbide teeth for longest life.

MATERIALS



Hardwood

Softwood

SHAPER CUTTERS

DRILLING & BORING BITS



Freud's Forstner & Boring bits are carefully crafted using the best materials, the most innovative designs, and the industry's most sophisticated manufacturing processes. Each bit is specifically designed for superior performance and maximum life. Freud's Precision Shear™ Forstner Bits feature a double-ground, razor-sharp serrated edge that slices throughout the rotation of the bit for less splintering and chipping, producing flawless flat-bottom holes.

Freud drill bits – Precisely The Best.



TABLE OF CONTENTS

362	Carbide Forstner Bits
362	Seven Piece Carbide Forstner Bit Set
363-365	Precision Shear™ Forstner Bits
364	Sixteen Piece Precision Shear™ Forstner Bit Set
365	Seven Piece Precision Shear™ Forstner Bit Set
365	Four Piece Precision Shear™ Forstner Bit Set
366	Industrial Carbide Tipped Through Hole Boring Bits
367-368	Industrial Carbide Tipped Brad Point Boring Bits
369	Industrial Carbide Tipped Cylinder (Hinge) Boring Bits
370	Boring Machine Chucks
370	Carbide Tipped Boring Bit Countersinks
371	10mm Drill Adapters
371	10mm Drill Bushings
372	Solid Carbide Drill Bits



FORSTNER, BORING, & DRILL BITS



Carbide Forstner Bits

USE IN



Hand Held Drills Drill Presses

APPLICATION

Drill through a multitude of materials. Use to drill pocket holes, angled holes, overlapping holes and flat bottom holes. Best of all, these bits will not burn like a standard forstner and will stay sharp many times longer. These bits can be sharpened by any reputable sharpening service who sharpens router bits.

ROTATION

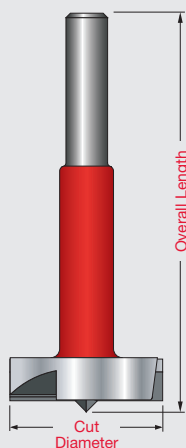


MATERIALS



Hardwood Softwood Plywood

OSB Solid Surface



ITEM NUMBER	CUT DIA.	OVERALL LENGTH	SHANK DIA.
FC-001	1/4"	3-7/16"	5/32"
FC-002	3/8"	3-7/16"	1/4"
FC-003	1/2"	3-15/32"	5/16"
FC-004	5/8"	3-1/2"	5/16"
FC-005	3/4"	3-1/2"	3/8"
FC-006	7/8"	3-1/2"	3/8"
FC-007	1"	3-1/2"	3/8"
FC-008	1-1/8"	3-1/2"	3/8"
FC-009	1-1/4"	3-1/2"	3/8"
FC-010	1-3/8"	3-1/2"	3/8"
FC-011	1-1/2"	3-1/2"	3/8"
FC-012	1-5/8"	3-1/2"	3/8"
FC-013	1-3/4"	3-1/2"	3/8"
FC-014	1-7/8"	3-1/2"	3/8"
FC-015	2"	3-1/2"	3/8"
FC-016	2-1/8"	3-1/2"	3/8"

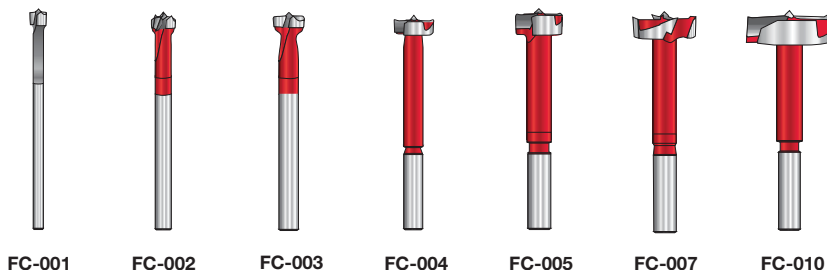
Seven Piece Carbide Forstner Bit Set

Set FC-107



1/4" diameter to 1-3/8" diameter. These bits come packaged in a sturdy wooden case for protection and storage.

ITEM NUMBER	OUTSIDE DIA.
FC-001	1/4"
FC-002	3/8"
FC-003	1/2"
FC-004	5/8"
FC-005	3/4"
FC-007	1"
FC-010	1-3/8"



DRILL BITS

Precision Shear™ Forstner Bits



FORSTNER, BORING, & DRILL BITS

ITEM NUMBER	CUT DIA.	OVERALL LENGTH	SHANK DIA.
PB-001	1/4"	3-1/2"	1/4"
PB-002	3/8"	3-1/2"	1/4"
PB-003	1/2"	3-1/2"	1/4"
PB-004	5/8"	3-1/2"	5/16"
PB-005	3/4"	3-1/2"	3/8"
PB-006	7/8"	3-1/2"	3/8"
PB-007	1"	3-1/2"	3/8"
PB-008	1-1/8"	3-1/2"	3/8"
PB-009	1-1/4"	3-1/2"	3/8"
PB-010	1-3/8"	3-1/2"	3/8"
PB-011	1-1/2"	3-1/2"	3/8"
PB-012	1-5/8"	3-1/2"	3/8"
PB-013	1-3/4"	3-1/2"	3/8"
PB-014	1-7/8"	3-1/2"	3/8"
PB-015	2"	3-1/2"	3/8"
PB-016	2-1/8"	3-1/2"	3/8"
PB-0015	5/16"	3-1/2"	1/4"
PB-0025	7/16"	3-1/2"	5/16"
PB-0035	9/16"	3-1/2"	5/16"
PB-0045	11/16"	3-1/2"	5/16"
PB-0055	13/16"	3-1/2"	3/8"
PB-0065	15/16"	3-1/2"	3/8"
PB-M35	35mm	3-1/2"	10mm



USE IN



Hand Held Drills Drill Presses

APPLICATION

Drill pocket holes, angled holes, overlapping holes and flat bottom holes

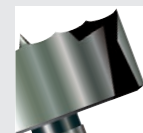
ROTATION



DOUBLE GROUND, RAZOR -SHARP SERRATED EDGE for less splintering and chipping, producing flawless flat-bottom holes



FORGED HARDENED STEEL BODY warrants a longer life and sharper cutting edge.



STEEP ANGLED CUTTING EDGES produce holes that are smooth and flat, and create "chisel-like" curls for fast, clean chip removal.

MATERIALS



Hardwood Softwood Plywood

OSB

Solid Surface

DRILL BITS

FORSTNER, BORING, & DRILL BITS



Precision Shear™ Forstner Bits

USE IN

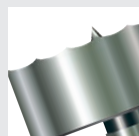


Hand Held Drills Drill Presses

APPLICATION

Drill pocket holes, angled holes, overlapping holes and flat bottom holes

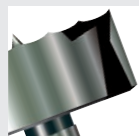
ROTATION



DOUBLE GROUND, RAZOR - SHARP SERRATED EDGE for less splintering and chipping, producing flawless flat-bottom holes



FORGED HARDENED STEEL BODY warrants a longer life and sharper cutting edge



STEEP ANGLED CUTTING EDGES produce holes that are smooth and flat, and create "chisel-like" curls for fast, clean chip removal

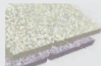
MATERIALS



Hardwood Softwood Plywood



OSB



Solid Surface

CONTINUED

Sixteen Piece Precision Shear™ Forstner Bit Set

Set PB-100



1/4" diameter to 2-1/8" diameter. These bits come packaged in a sturdy wooden case for protection and storage.

ITEM NUMBER	OUTSIDE DIA.
PB-001	1/4"
PB-002	3/8"
PB-003	1/2"
PB-004	5/8"
PB-005	3/4"
PB-006	7/8"
PB-007	1"
PB-008	1-1/8"
PB-009	1-1/4"
PB-010	1-3/8"
PB-011	1-1/2"
PB-012	1-5/8"
PB-013	1-3/4"
PB-014	1-7/8"
PB-015	2"
PB-016	2-1/8"



PB-001 PB-002 PB-003 PB-004 PB-005

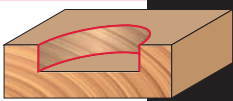


PB-006 PB-007 PB-008 PB-009 PB-010



PB-0011 PB-0012 PB-0013 PB-0014 PB-0015 PB-0016

Precision Shear™ Forstner Bits



FORSTNER, BORING, & DRILL BITS

CONTINUED

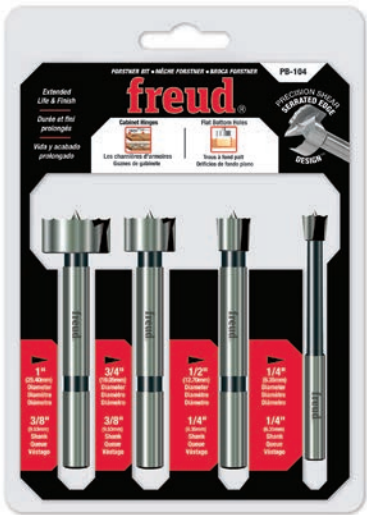
Seven Piece Precision Shear™ Forstner Bit Set Set PB-107B



1/4" diameter to 2-1/8" diameter.

ITEM NUMBER	OUTSIDE DIA.
PB-001	1/4"
PB-003	1/2"
PB-005	3/4"
PB-007	1"
PB-002	3/8"
PB-004	5/8"
PB-006	7/8"

Four Piece Precision Shear™ Forstner Bit Set Set PB-104



1/4" diameter to 1" diameter.

ITEM NUMBER	OUTSIDE DIA.
PB-001	1/4"
PB-003	1/2"
PB-005	3/4"
PB-007	1"

USE IN



Hand Held Drills Drill Presses

APPLICATION

Drill flat bottom holes, pocket holes, or overlapping holes.

ROTATION



DOUBLE GROUND, RAZOR -SHARP SERRATED EDGE for less splintering and chipping, producing flawless flat-bottom holes



FORGED HARDENED STEEL BODY warrants a longer life and sharper cutting edge



STEEP ANGLED CUTTING EDGES produce holes that are smooth and flat, and create "chisel-like" curls for fast, clean chip removal

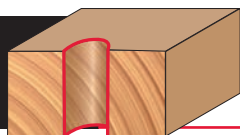
MATERIALS



Hardwood Softwood Plywood

DRILL BITS

FORSTNER, BORING, & DRILL BITS



Industrial Carbide Tipped Through Hole Boring Bits

USE IN



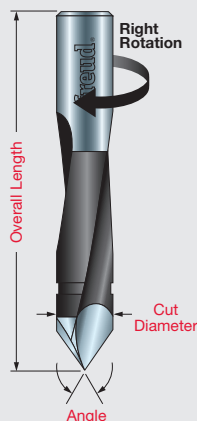
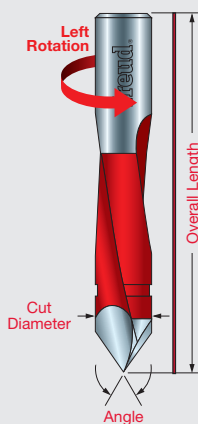
APPLICATION

Designed for multiple spindle machines. The 60° point makes for accurate hole location of through holes.

INCLUDES

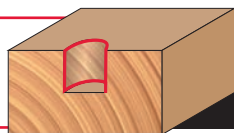
10mm shank with an adjustable top screw making them compatible with most boring machines

MATERIALS



ITEM NUMBER	CUT DIA.	OVERALL LENGTH	MAX HOLE DEPTH	ROTATION	ANGLE	SHANK DIA.
TH39657R	5/32"	57.5mm	27mm	Right	60°	10mm
TH39657L	5/32"	57.5mm	27mm	Left	60°	10mm
TH40057R	4mm	57.5mm	27mm	Right	60°	10mm
TH40057L	4mm	57.5mm	27mm	Left	60°	10mm
TH47657R	3/16"	57.5mm	27mm	Right	60°	10mm
TH47657L	3/16"	57.5mm	27mm	Left	60°	10mm
TH50057R	5mm	57.5mm	27mm	Right	60°	10mm
TH50057L	5mm	57.5mm	27mm	Left	60°	10mm
TH55557R	7/32"	57.5mm	27mm	Right	60°	10mm
TH55557L	7/32"	57.5mm	27mm	Left	60°	10mm
TH60057R	6mm	57.5mm	27mm	Right	60°	10mm
TH60057L	6mm	57.5mm	27mm	Left	60°	10mm
TH63557R	1/4"	57.5mm	27mm	Right	60°	10mm
TH63557L	1/4"	57.5mm	27mm	Left	60°	10mm
TH70057R	7mm	57.5mm	27mm	Right	60°	10mm
TH70057L	7mm	57.5mm	27mm	Left	60°	10mm
TH80057R	8mm	57.5mm	27mm	Right	60°	10mm
TH80057L	8mm	57.5mm	27mm	Left	60°	10mm
TH90057R	9mm	57.5mm	27mm	Right	60°	10mm
TH90057L	9mm	57.5mm	27mm	Left	60°	10mm
TH93857R	3/8"	57.5mm	27mm	Right	60°	10mm
TH93857L	3/8"	57.5mm	27mm	Left	60°	10mm
TH10057R	10mm	57.5mm	27mm	Right	60°	10mm
TH10057L	10mm	57.5mm	27mm	Left	60°	10mm
TH12057R	12mm	57.5mm	27mm	Right	60°	10mm
TH12057L	12mm	57.5mm	27mm	Left	60°	10mm
TH39670R	5/32"	70mm	35mm	Right	60°	10mm
TH39670L	5/32"	70mm	35mm	Left	60°	10mm
TH40070R	4mm	70mm	35mm	Right	60°	10mm
TH40070L	4mm	70mm	35mm	Left	60°	10mm
TH47670R	3/16"	70mm	35mm	Right	60°	10mm
TH47670L	3/16"	70mm	35mm	Left	60°	10mm
TH50070R	5mm	70mm	35mm	Right	60°	10mm
TH50070L	5mm	70mm	35mm	Left	60°	10mm
TH55570R	7/32"	70mm	35mm	Right	60°	10mm
TH55570L	7/32"	70mm	35mm	Left	60°	10mm
TH60070R	6mm	70mm	35mm	Right	60°	10mm
TH60070L	6mm	70mm	35mm	Left	60°	10mm
TH63570R	1/4"	70mm	35mm	Right	60°	10mm
TH63570L	1/4"	70mm	35mm	Left	60°	10mm
TH70070R	7mm	70mm	35mm	Right	60°	10mm
TH70070L	7mm	70mm	35mm	Left	60°	10mm
TH80070R	8mm	70mm	35mm	Right	60°	10mm
TH80070L	8mm	70mm	35mm	Left	60°	10mm
TH90070R	9mm	70mm	35mm	Right	60°	10mm
TH90070L	9mm	70mm	35mm	Left	60°	10mm
TH93870R	3/8"	70mm	35mm	Right	60°	10mm
TH93870L	3/8"	70mm	35mm	Left	60°	10mm
TH10070R	10mm	70mm	35mm	Right	60°	10mm
TH10070L	10mm	70mm	35mm	Left	60°	10mm
TH12070R	12mm	70mm	35mm	Right	60°	10mm
TH12070L	12mm	70mm	35mm	Left	60°	10mm
TH12770R	1/2"	70mm	35mm	Right	60°	10mm
TH12770L	1/2"	70mm	35mm	Left	60°	10mm

Industrial Carbide Tipped Brad Point Boring Bits



FORSTNER, BORING, & DRILL BITS

ITEM NUMBER	CUT DIA.	OVERALL LENGTH	MAX HOLE DEPTH	ROTATION	SHANK DIA.
BP30057R	3mm	57.5mm	27mm	Right	10mm
BP30057L	3mm	57.5mm	27mm	Left	10mm
BP39657R	5/32"	57.5mm	27mm	Right	10mm
BP39657L	5/32"	57.5mm	27mm	Left	10mm
BP40057R	4mm	57.5mm	27mm	Right	10mm
BP40057L	4mm	57.5mm	27mm	Left	10mm
BP45057R	4.5mm	57.5mm	27mm	Right	10mm
BP45057L	4.5mm	57.5mm	27mm	Left	10mm
BP47657R	3/16"	57.5mm	27mm	Right	10mm
BP47657L	3/16"	57.5mm	27mm	Left	10mm
BP50057R	5mm	57.5mm	27mm	Right	10mm
BP50057L	5mm	57.5mm	27mm	Left	10mm
BP52057R	5.2mm	57.5mm	27mm	Right	10mm
BP52057L	5.2mm	57.5mm	27mm	Left	10mm
BP55557R	7/32"	57.5mm	27mm	Right	10mm
BP55557L	7/32"	57.5mm	27mm	Left	10mm
BP60057R	6mm	57.5mm	27mm	Right	10mm
BP60057L	6mm	57.5mm	27mm	Left	10mm
BP63557R	1/4"	57.5mm	27mm	Right	10mm
BP63557L	1/4"	57.5mm	27mm	Left	10mm
BP65057R	6.5mm	57.5mm	27mm	Right	10mm
BP65057L	6.5mm	57.5mm	27mm	Left	10mm
BP70057R	7mm	57.5mm	27mm	Right	10mm
BP70057L	7mm	57.5mm	27mm	Left	10mm
BP80057R	8mm	57.5mm	27mm	Right	10mm
BP80057L	8mm	57.5mm	27mm	Left	10mm
BP82057R	8.2mm	57.5mm	27mm	Right	10mm
BP82057L	8.2mm	57.5mm	27mm	Left	10mm
BP90057R	9mm	57.5mm	27mm	Right	10mm
BP90057L	9mm	57.5mm	27mm	Left	10mm
BP93857R	3/8"	57.5mm	27mm	Right	10mm
BP93857L	3/8"	57.5mm	27mm	Left	10mm
BP10057R	10mm	57.5mm	27mm	Right	10mm
BP10057L	10mm	57.5mm	27mm	Left	10mm
BP11057R	11mm	57.5mm	27mm	Right	10mm
BP11057L	11mm	57.5mm	27mm	Left	10mm
BP11157R	7/16"	57.5mm	27mm	Right	10mm
BP11157L	7/16"	57.5mm	27mm	Left	10mm
BP12057R	12mm	57.5mm	27mm	Right	10mm
BP12057L	12mm	57.5mm	27mm	Left	10mm
BP12757R	1/2"	57.5mm	27mm	Right	10mm
BP12757L	1/2"	57.5mm	27mm	Left	10mm
BP13057R	13mm	57.5mm	27mm	Right	10mm
BP13057L	13mm	57.5mm	27mm	Left	10mm
BP14057R	14mm	57.5mm	27mm	Right	10mm
BP14057L	14mm	57.5mm	27mm	Left	10mm
BP15057R	15mm	57.5mm	27mm	Right	10mm
BP15057L	15mm	57.5mm	27mm	Left	10mm
BP16057R	16mm	57.5mm	27mm	Right	10mm
BP16057L	16mm	57.5mm	27mm	Left	10mm
BP39670R	5/32"	70mm	35mm	Right	10mm
BP39670L	5/32"	70mm	35mm	Left	10mm

USE IN



CNC



Drill Presses

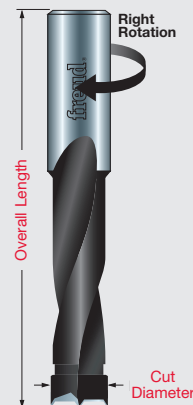
APPLICATION

Designed for multiple spindle machines. The 60° point makes for accurate hole location of through holes.

INCLUDES

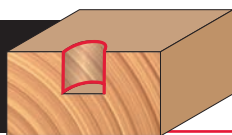
10mm shank with an adjustable top screw making them compatible with most boring machines

MATERIALS



DRILL BITS

FORSTNER, BORING, & DRILL BITS



Industrial Carbide Tipped Brad Point Boring Bits

USE IN



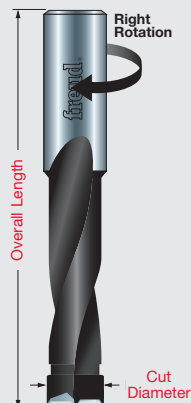
APPLICATION

Designed for multiple spindle machines. The 60° point makes for accurate hole location of through holes.

INCLUDES

10mm shank with an adjustable top screw making them compatible with most boring machines

MATERIALS



CONTINUED

ITEM NUMBER	CUT DIA.	OVERALL LENGTH	MAX HOLE DEPTH	ROTATION	SHANK DIA.
BP40070R	4mm	70mm	35mm	Right	10mm
BP40070L	4mm	70mm	35mm	Left	10mm
BP47670R	3/16"	70mm	35mm	Right	10mm
BP47670L	3/16"	70mm	35mm	Left	10mm
BP50070R	5mm	70mm	35mm	Right	10mm
BP50070L	5mm	70mm	35mm	Left	10mm
BP51070R	5.1mm	70mm	35mm	Right	10mm
BP51070L	5.1mm	70mm	35mm	Left	10mm
BP52070R	5.2mm	70mm	35mm	Right	10mm
BP52070L	5.2mm	70mm	35mm	Left	10mm
BP55570R	7/32"	70mm	35mm	Right	10mm
BP55570L	7/32"	70mm	35mm	Left	10mm
BP60070R	6mm	70mm	35mm	Right	10mm
BP60070L	6mm	70mm	35mm	Left	10mm
BP63570R	1/4"	70mm	35mm	Right	10mm
BP63570L	1/4"	70mm	35mm	Left	10mm
BP65070R	6.5mm	70mm	35mm	Right	10mm
BP65070L	6.5mm	70mm	35mm	Left	10mm
BP70070R	7mm	70mm	35mm	Right	10mm
BP70070L	7mm	70mm	35mm	Left	10mm
BP80070R	8mm	70mm	35mm	Right	10mm
BP80070L	8mm	70mm	35mm	Left	10mm
BP82070R	8.2mm	70mm	35mm	Right	10mm
BP82070L	8.2mm	70mm	35mm	Left	10mm
BP90070R	9mm	70mm	35mm	Right	10mm
BP90070L	9mm	70mm	35mm	Left	10mm
BP93870R	3/8"	70mm	35mm	Right	10mm
BP93870L	3/8"	70mm	35mm	Left	10mm
BP10070R	10mm	70mm	35mm	Right	10mm
BP10070L	10mm	70mm	35mm	Left	10mm
BP11170R	7/16"	70mm	35mm	Right	10mm
BP11170L	7/16"	70mm	35mm	Left	10mm
BP12070R	12mm	70mm	35mm	Right	10mm
BP12070L	12mm	70mm	35mm	Left	10mm
BP12770R	1/2"	70mm	35mm	Right	10mm
BP12770L	1/2"	70mm	35mm	Left	10mm
BP14070R	14mm	70mm	35mm	Right	10mm
BP14070L	14mm	70mm	35mm	Left	10mm
BP15070R	15mm	70mm	35mm	Right	10mm
BP15070L	15mm	70mm	35mm	Left	10mm
BP16070R	16mm	70mm	35mm	Right	10mm
BP16070L	16mm	70mm	35mm	Left	10mm

Industrial Carbide Tipped Cylinder (Hinge) Boring Bits



FORSTNER, BORING, & DRILL BITS

ITEM NUMBER	CUT DIA.	OVERALL LENGTH	ROTATION	SHANK DIA.
CB12057R	12mm	57.5mm	Right	10mm
CB12057L	12mm	57.5mm	Left	10mm
CB12070R	13mm	57.5mm	Right	10mm
CB12070L	13mm	57.5mm	Left	10mm
CB12770R	1/2"	57.5mm	Right	10mm
CB12770L	1/2"	57.5mm	Left	10mm
CB14057R	14mm	57.5mm	Right	10mm
CB14070L	14mm	57.5mm	Left	10mm
CB14070R	14mm	57.5mm	Right	10mm
CB14057L	14mm	57.5mm	Left	10mm
CB15057R	15mm	57.5mm	Right	10mm
CB15057L	15mm	57.5mm	Left	10mm
CB16057R	16mm	57.5mm	Right	10mm
CB16057L	16mm	57.5mm	Left	10mm
CB17057R	17mm	57.5mm	Right	10mm
CB17057L	17mm	57.5mm	Left	10mm
CB18057R	18mm	57.5mm	Right	10mm
CB18057L	18mm	57.5mm	Left	10mm
CB19057R	19mm	57.5mm	Right	10mm
CB19057L	19mm	57.5mm	Left	10mm
CB20057R	20mm	57.5mm	Right	10mm
CB20057L	20mm	57.5mm	Left	10mm
CB22057R	22mm	57.5mm	Right	10mm
CB22057L	22mm	57.5mm	Left	10mm
CB24057R	24mm	57.5mm	Right	10mm
CB24057L	24mm	57.5mm	Left	10mm
CB25057R	25mm	57.5mm	Right	10mm
CB25057L	25mm	57.5mm	Left	10mm
CB26057R	26mm	57.5mm	Right	10mm
CB26057L	26mm	57.5mm	Left	10mm
CB28057R	28mm	57.5mm	Right	10mm
CB28057L	28mm	57.5mm	Left	10mm
CB30057R	30mm	57.5mm	Right	10mm
CB30057L	30mm	57.5mm	Left	10mm
CB32057R	32mm	57.5mm	Right	10mm
CB32057L	32mm	57.5mm	Left	10mm
CB35057R	35mm	57.5mm	Right	10mm
CB35057L	35mm	57.5mm	Left	10mm
3557E	35mm	57.5mm	Right	3/8"
CB38057R	38mm	57.5mm	Right	10mm
CB38057L	38mm	57.5mm	Left	10mm
CB40057R	40mm	57.5mm	Right	10mm
CB40057L	40mm	57.5mm	Left	10mm
CB15070R	15mm	70mm	Right	10mm
CB15070L	15mm	70mm	Left	10mm
CB16070R	16mm	70mm	Right	10mm
CB16070L	16mm	70mm	Left	10mm
CB17070R	17mm	70mm	Right	10mm
CB17070L	17mm	70mm	Left	10mm
CB18070R	18mm	70mm	Right	10mm
CB18070L	18mm	70mm	Left	10mm
CB19570R	3/4"	70mm	Right	10mm
CB19570L	3/4"	70mm	Left	10mm
CB20070R	20mm	70mm	Right	10mm
CB20070L	20mm	70mm	Left	10mm
CB22070R	22mm	70mm	Right	10mm
CB22070L	22mm	70mm	Left	10mm
CB25070R	25mm	70mm	Right	10mm
CB25070L	25mm	70mm	Left	10mm
CB26070R	26mm	70mm	Right	10mm
CB26070L	26mm	70mm	Left	10mm
CB30070R	30mm	70mm	Right	10mm
CB30070L	30mm	70mm	Left	10mm
CB35070R	35mm	70mm	Right	10mm
CB35070L	35mm	70mm	Left	10mm
CB38070R	38mm	70mm	Right	10mm
CB38070L	38mm	70mm	Left	10mm
CB40070R	40mm	70mm	Right	10mm
CB40070L	40mm	70mm	Left	10mm

USE IN



CNC



Drill Presses

APPLICATION

Designed for accurate boring and the two wing cutters and two spur cutters prevent bottom side tear out. The 3557E is designed with a 3/8" shaft to fit in most drill presses.

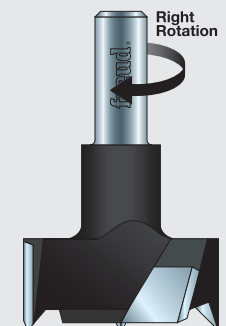
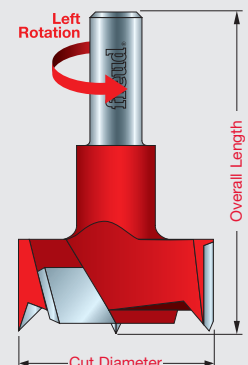
INCLUDES

10mm shank with an adjustable top screw making them compatible with most boring machines

MATERIALS



Industrial Cylinder Boring Bits



DRILL BITS

FORSTNER, BORING, & DRILL BITS

Boring Machine Chucks

USE IN



CNC

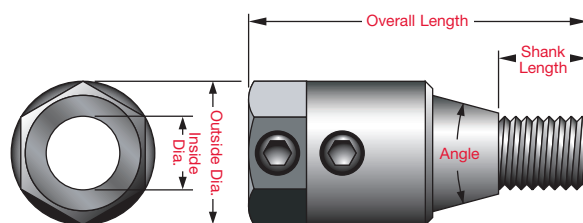
APPLICATION

Made to exacting specifications for Multi- Spindle Boring machines. Will fit all 10mm X 20mm shank bits. 6020L and 6020R fit Vitap®, Busellato®, Schleicher®, Piccolo®, Ompec®, Dubelfix®, Alberti®, and SCMI® machines.

MATERIALS



ITEM NUMBER	OUTSIDE DIA.	INSIDE DIA.	OVERALL LENGTH	ROTATION	ANGLE	SHANK DIA.	SHANK LENGTH
6010L	19.5mm	10mm	46mm	Left	30°	M10	12mm
6010R	19.5mm	10mm	46mm	Right	30°	M10	12mm
6015L	19.5mm	10mm	46mm	Left	30°	M10	12mm
6015R	19.5mm	10mm	46mm	Right	30°	M10	12mm
6020L	19.5mm	10mm	46mm	Left	30°	M10	12mm
6020R	19.5mm	10mm	46mm	Right	30°	M10	12mm
6025L	19.5mm	10mm	46mm	Left	30°	M10	12mm
6025R	19.5mm	10mm	46mm	Right	30°	M10	12mm
6030L	19.5mm	10mm	46mm	Left	30°	M10	12mm
6030R	19.5mm	10mm	46mm	Right	30°	M10	12mm
6035L	19.5mm	10mm	46mm	Left	30°	M10	12mm
6035R	19.5mm	10mm	46mm	Right	30°	M10	12mm



FORSTNER, BORING, & DRILL BITS



Carbide Tipped Boring Bit Countersinks

USE IN



CNC

APPLICATION

Engineered to meet the most demanding industrial applications, they simply slip over the body of boring bits, and are held in place with a set screw

MATERIALS



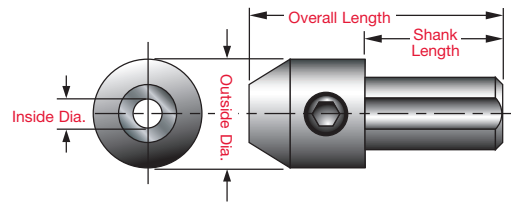
ITEM NUMBER	OUTSIDE DIA.	INSIDE DIA.	ROTATION	ANGLE
7010L	15.5mm	5mm	Left	82°
7010R	15.5mm	5mm	Right	82°
7012L	15.5mm	6mm	Left	82°
7012R	15.5mm	6mm	Right	82°
7013L	15.5mm	7mm	Left	82°
7013R	15.5mm	7mm	Right	82°
7014L	18mm	8mm	Left	82°
7014R	18mm	8mm	Right	82°
7016L	20mm	10mm	Left	82°
7016R	20mm	10mm	Right	82°



10mm Drill Adapters

FORSTNER, BORING, & DRILL BITS

ITEM NUMBER	OUTSIDE DIA.	INSIDE DIA.	OVERALL LENGTH	SHANK DIA.	SHANK LENGTH
7120	15mm	2mm	35mm	10mm	19mm
7125	15mm	2.5mm	35mm	10mm	19mm
7130	15mm	3mm	35mm	10mm	19mm
7132	15mm	3.2mm	35mm	10mm	19mm
7135	15mm	3.5mm	35mm	10mm	19mm
7140	15mm	4mm	35mm	10mm	19mm



USE IN



Hand Held Drills Drill Presses

APPLICATION

Converts Freud Solid Carbide Drill Bits as well as other manufacturers bits for use in automatic and manual multi-spindle boring machines. The 10mm x 20mm shank is compatible with most boring machines.

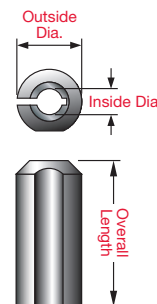
MATERIALS



10mm Drill Bushings

FORSTNER, BORING, & DRILL BITS

ITEM NUMBER	INSIDE DIA.	ROTATION	OVERALL LENGTH
7520	2mm	10mm	22mm
7525	2.5mm	10mm	22mm
7530	3mm	10mm	22mm
7532	3.2mm	10mm	22mm
7535	3.5mm	10mm	22mm
7540	4mm	10mm	22mm



USE IN



Hand Held Drills Drill Presses

APPLICATION

Converts Freud Solid Carbide Drill Bits as well as other manufacturers bits for use in automatic and manual multi-spindle boring machines. The 10mm x 20mm shank is compatible with most boring machines.

MATERIALS



FORSTNER, BORING, & REPLACEABLE KNIVES

Solid Carbide Drill Bits

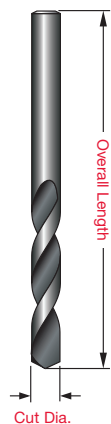
APPLICATION

Ideal for drilling small diameter holes with multiple spindle machines. Use with adapters for 10mm x 20mm shank that is compatible with most European boring machines.

MATERIALS



ITEM NUMBER	CUT DIA.	OVERALL LENGTH	MAX HOLE DEPTH	ROTATION	SHANK DIA.
7620L	2mm	49mm	18mm	Left	2mm
7620R	2mm	49mm	18mm	Right	2mm
7625L	2.5mm	55mm	22mm	Left	3mm
7625R	2.5mm	55mm	22mm	Right	3mm
7630L	3mm	55mm	22mm	Left	3mm
7630R	3mm	55mm	22mm	Right	3mm
7632L	3.2mm	55mm	22mm	Left	3mm
7632R	3.2mm	55mm	22mm	Right	3mm
7635L	3.5mm	55mm	22mm	Left	3mm
7635R	3.5mm	55mm	22mm	Right	3mm
7640L	4mm	55mm	22mm	Left	3mm
7640R	4mm	55mm	22mm	Right	3mm



Freud's Warranties

FREUD LIMITED LIFETIME CUTTING TOOL WARRANTY

All Freud cutting tools (Circular Saw Blades, Router Bits, Shaper Cutters, Molding Heads and Knives, Forstner Bits, Boring Bits, and Jointer and Planer Knives) are engineered and manufactured to the highest of standards. Your satisfaction is a dominant consideration. Freud warrants to the original purchaser at retail that each new Freud cutting tool shall be free from defects in material and workmanship, subject to the Guidelines below. Upon verification of failure or malfunction, Freud shall, at its option, within sixty (60) days, repair or replace the cutting tool, subject to the Guidelines below.

FREUD LIMITED ONE YEAR POWER TOOL WARRANTY

Freud warrants to the original consumer purchaser that each new Freud power tool shall be free from defects in material and workmanship for a period of one (1) year from the purchase date. When warranty service is requested, proof of purchase (e.g., invoice) is required. Should the power tool fail within thirty (30) days from the date of purchase, it will be repaired or replaced AT THE CUSTOMER'S OPTION, subject to the Guidelines below. Thereafter, upon verification of failure or malfunction, at Freud's option, within sixty (60) days, repair or replace the power tool, subject to the Guidelines below.

GUIDELINES

1. In the event of failure or malfunction, return the product via UPS, properly packaged and UPS charges prepaid, to Freud at the address listed below or to an authorized Freud tool service station. See back of price list for authorized repair dealers. You may also contact Freud at one of the numbers below for instructions on returns and technical advice.
2. All implied warranties for Freud's power tools (INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE) are limited to the period of one year from the purchase date. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.
3. A warranty claim shall be limited to repair or replacement as stated in Freud's Limited Cutting Tool Warranty and Freud's Limited Power Tool Warranty, and in no event shall Freud be liable for any other direct, indirect, incidental or consequential damages, costs or expenses. INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE EXCLUDED UNDER ALL WARRANTIES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
4. Freud warranties give you specific legal rights, and you may also have other rights which vary from state to state.
5. Freud warranties shall not be deemed to have failed their essential purpose while Freud is willing to repair or replace defective products.
6. Freud assumes no liability for defects or damage caused by abuse or misuse of any product or unauthorized service of any product. The product must have been used for its recommended purpose and not modified by sharpening or other changes. Normal wear and tear are not covered under Freud warranties.
7. Any action for breach of warranty must be commenced within one year after the accrual of the cause of action.

To obtain service under Freud warranties, contact an authorized repair station or:

IN UNITED STATES:
Freud America, Inc.
(Attn: Customer Services)
218 Feld Avenue
High Point, North Carolina 27263
(336) 434-3171

IN CANADA:
Freud Canada
(Attn: Customer Services)
7450 Pacific Circle
Mississauga, Ontario L5T4A3
(905) 670-1025

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freud



SAW BLADES

Pages 4—43



PANEL SIZING SAW BLADES

Pages 44—61



DADO SETS

Pages 73—81



ROUTER BITS

Pages 86—273



SHAPER CUTTERS

Pages 274—359



FORSTNER, BORING & DRILL BITS

Pages 360—372



At Freud, we are constantly developing unique geometries for new tools for the best possible performance to enhance your productivity. We require extremely tight tolerances and demand that our sharpeners maintain “like new” tool performance.

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General Products Catalog 2020

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