

GENERAL PRODUCTS CATALOG

The World's Best Cutting Tools

Designed for Superior Performance and Maximum Life

Innovation

Premier Fusion General Purpose Saw Blades



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Dial-A-Width Dado Set



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Premier Solid Carbide Bits



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Extended (X) Life Series Panel Saw Blades



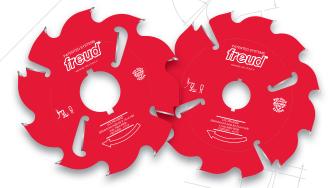
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freud.

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freud.

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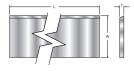
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Manufacturing Innovation



ZERTIFIKAT ◆ CERTIFICATE ◆ 認識證書 ◆ CEPTWФИКАT ◆ CERTIFICADU ◆ CERTIFICAL CERTIFICATE

of TÜV SÜD Management Service GmbH



Freud S.p.A. via Padoa 3 33010 Tavagnacco (Udine)

has established and applies a Quality Management System for

Development, Production and Sales of Power Tool Accessories

An audit was performed, Report No. 70740954 Proof has been furnished that the requirements

ISO 9001:2008

are fulfilled. The certificate is valid in conjunction are runned. The certificate is valid in conjunction with the main-certificate from 2013-08-14 until 2015-08-10. Certificate Registration No. 12 100 36537/29 TMS

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.

TUV

TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Ridlerstraße 65 • 80339 München • Germany

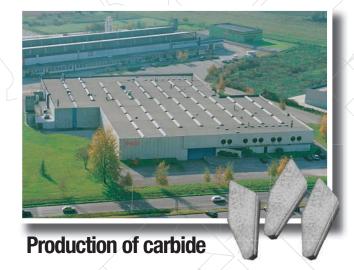
freud.

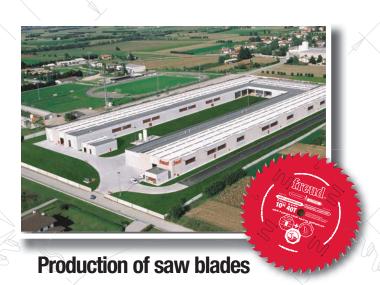
Freud Key Manufacturing Facilities

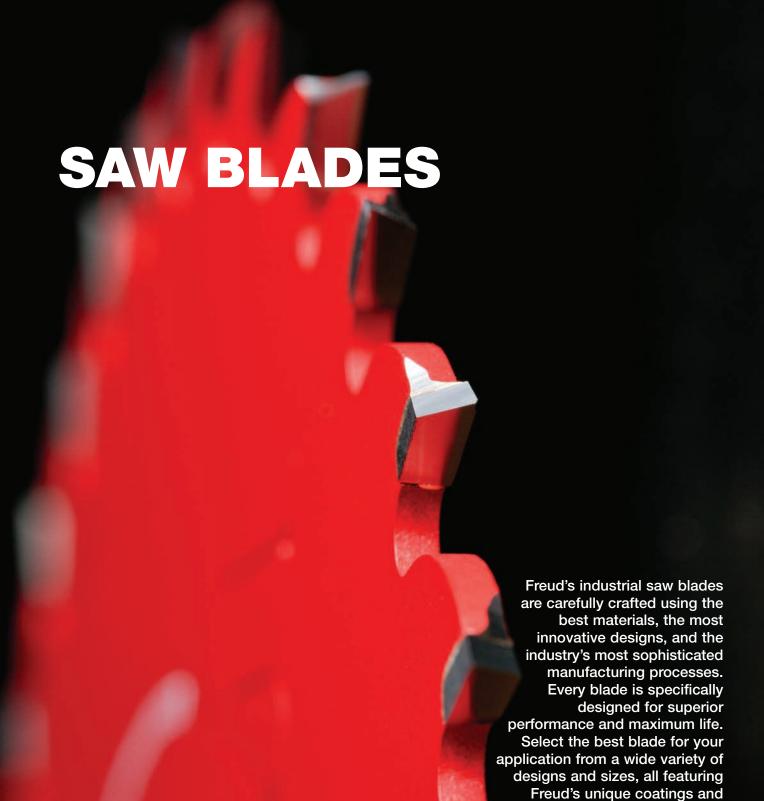


Production of standard & custom cutterheads









TiCo™ Hi-Density Carbide.

Freud saw blades – Precisely The Best.

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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







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.



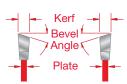
RECOMMENDED USE

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





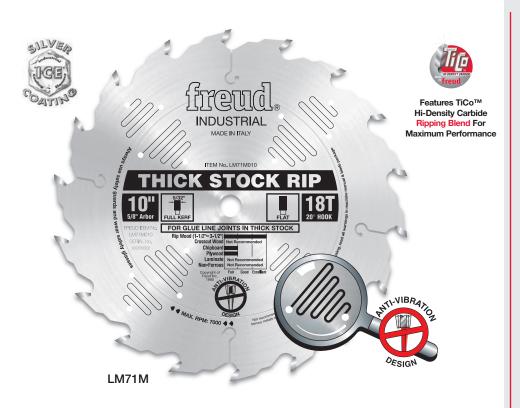




DIA.	KERF	PLATE	ARBOR	TEETH	BEVEL ANGLE	Perma-SHIELD®
160mm	.087	.063	20mm	14 ATB	10°	LU87R006M20*
8"	.087	.063	5/8"	22 ATB	15°	LU87R008
9"	.094	.071	5/8"	22 ATB	15°	LU87R009
10"	.094	.071	5/8"	24 ATB	15°	LU87R010
12"	.099	.071	5/8"	30 ATB	15°	LU87R012

Thick Stock Rip Blades





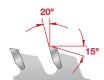
RECOMMENDED USE

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

USE IN



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







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

RIPPING BLADES



Heavy Duty Rip Blades

USE IN



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



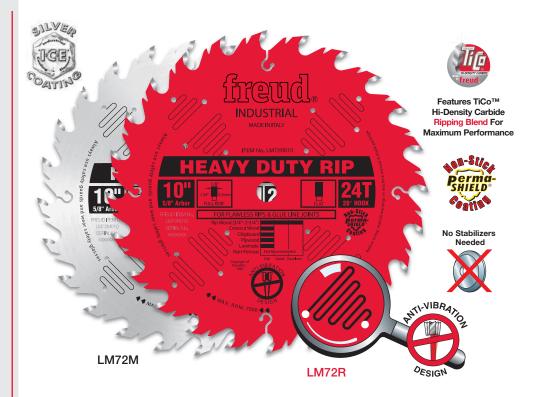
MATERIALS







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

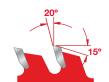


RECOMMENDED USE

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





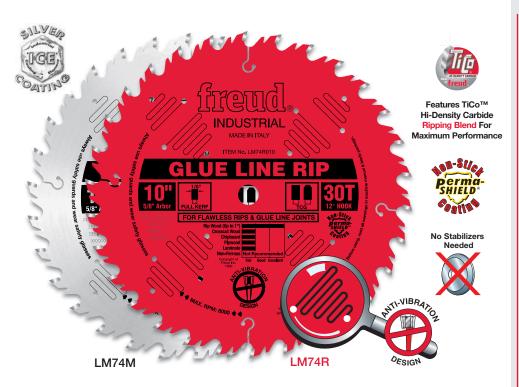




DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®	SILVER ICE™
8"	.126	.087	5/8"	24 FLAT	LM72R008	LM72M008
10"	.126	.087	5/8"	24 FLAT	LM72R010	LM72M010
12"	.169	.118	1"	30 FLAT	LM72R012	LM72M012
14"	.169	.118	1"	30 FLAT	LM72R014	LM72M014
16"	.177	.118	1"	36 FLAT	LM72R016	LM72M016

Glue Line Ripping Blades





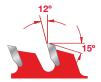
RECOMMENDED USE

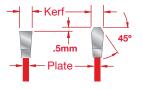
CUT QUALITY	FAIR	GOOD	EXCELLENT
Non-ferrous			
Laminate			
Plywood			
Chip Board			
Crosscuts Wood			
Rips Wood			

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	_

USE IN



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

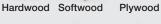
SLOTS drastically reduce vibration and sideways movement in the cut extending blade life, and giving a crisp, swirl-free flawless finish

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





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

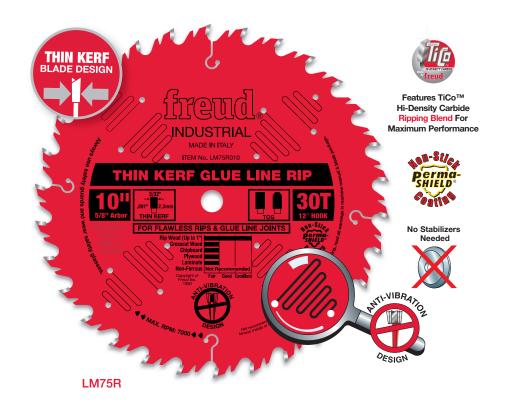






OSB

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



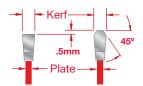
RECOMMENDED USE

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









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





RECOMMENDED USE

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

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

USE IN



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



DEPTH OF CUT



MATERIALS



Plywood Laminate

When cutting on a table saw, put the finish side of your work piece facing up. When cutting with a handheld 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



DEPTH OF CUT



MATERIALS







Veneered Plywood Plywood

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.

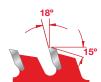


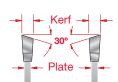
RECOMMENDED USE

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



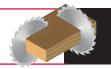




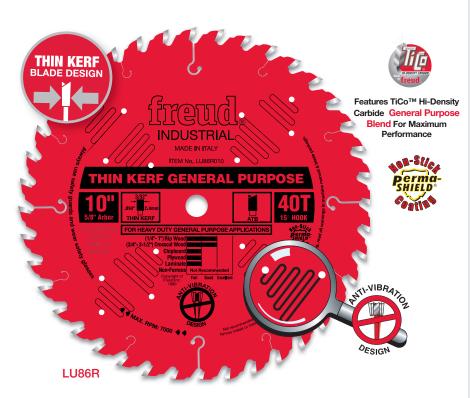


DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
10"	.091	.071	5/8"	40 Hi-ATB	P410T

Thin Kerf General Purpose Blades



GENERAL PURPOSE/ **COMBINATION**



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

USE IN



Table Saws

Miter Saws



Portable

Table Saws

Radial Arm **Table Saws**



Track Saws

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

DEPTH OF CUT





RIPPING







Hardwood Softwood





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.

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 GULLETS

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



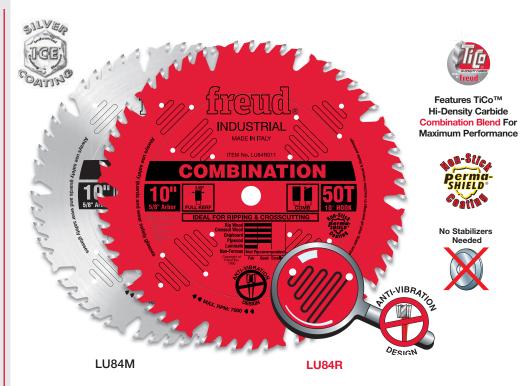


Hardwood Softwood





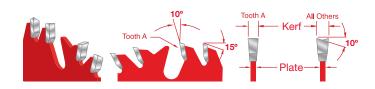
Plywood Laminate



RECOMMENDED USE

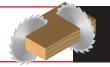
CUT QUALITY	FAIR	GOOD	EXCELLENT
Non-ferrous			
Laminate			
Plywood			
Chip Board			
Crosscuts Wood			
Rips Wood			



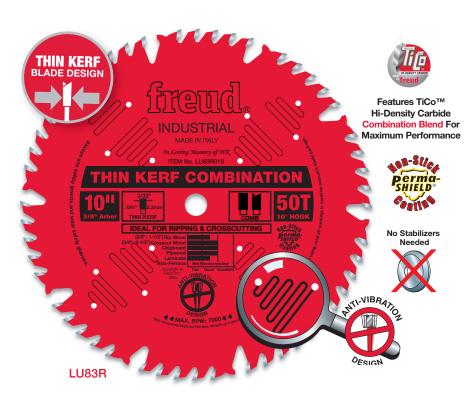


DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®	SILVER ICE™
8"	.126	.087	5/8"	40 COMB	LU84R008	LU84M008
9"	.126	.087	5/8"	40 COMB	LU84R009	LU84M009
10"	.126	.087	5/8"	50 COMB	LU84R011	LU84M011
12"	.126	.087	1"	60 COMB	LU84R012	LU84M012
14"	.157	.118	1"	70 COMB	LU84R014	LU84M014
16"	.157	.118	1"	80 COMB	LU84R016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

Thin Kerf Combination Blades



GENERAL PURPOSE/ COMBINATION



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"	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





Portable **Table Saws**



Radial Arm Table Saws

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





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.

GENERAL PURPOSE/ COMBINATION



High-Production General Purpose Blades

USE IN



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



MATERIALS





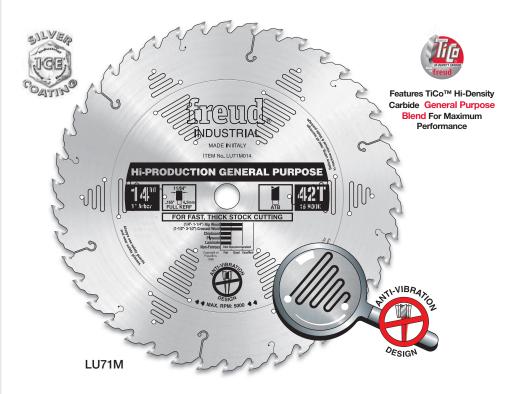
Hardwood Softwood





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.

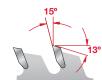


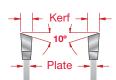
RECOMMENDED USE

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



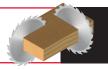




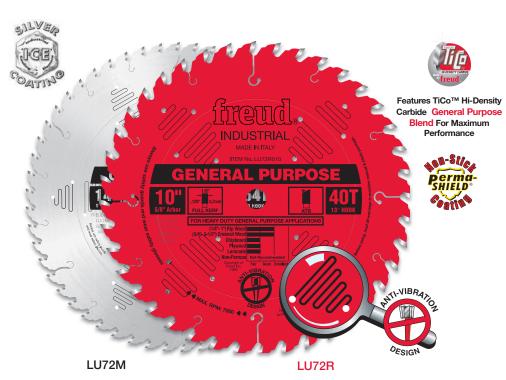


DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
14"	.165	.118	1"	42 ATB	LU71M014
16"	.177	.118	1"	48 ATB	LU71M016

General Purpose Blades



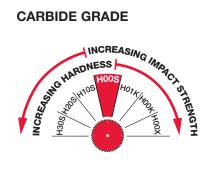
GENERAL PURPOSE/ **COMBINATION**



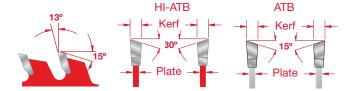
RECOMMENDED USE

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 ICETM
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

USE IN



Table 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

DEPTH OF CUT





MATERIALS





Hardwood Softwood



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

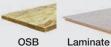






Hardwood Softwood

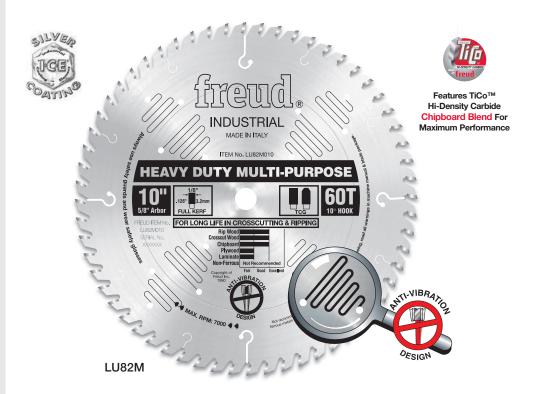
Plywood







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

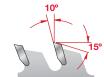


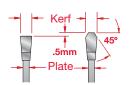
RECOMMENDED USE

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



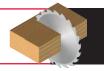




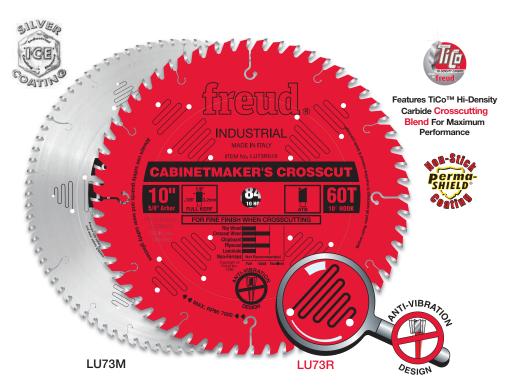


DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
8"	.126	.087	5/8"	48 TCG	LU82M008
9"	.126	.087	5/8"	54 TCG	LU82M009
10"	.126	.087	5/8"	60 TCG	LU82M010
12"	.126	.087	1"	72 TCG	LU82M012
14"	.169	.118	1"	84 TCG	LU82M014
16"	.177	.118	1"	96 TCG	LU82M016

Cabinet Maker's Crosscut Blades



CROSSCUTTING BLADE



RECOMMENDED USE

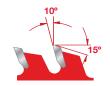
Rips Wood Crosscuts Wood Chip Board **Plywood** Laminate Non-ferrous **CUT QUALITY** FAIR GOOD **EXCELLENT**

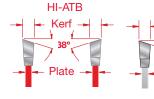
CARBIDE GRADE



ATB







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

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 doublesided melamine.



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



PRECISION TENSIONING

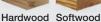
with computercontrolled equipment keeps the blade flat and true while maximizing blade life and performance

DEPTH OF CUT



MATERIALS







Plywood

Laminate

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

USE IN



Miter Saws

Radial Arm Table Saws



Sliding 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



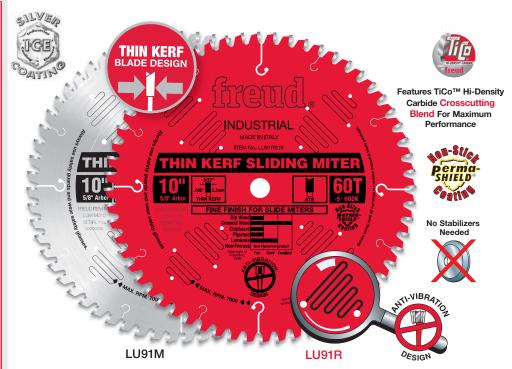




Plywood



Miter Saw Blades



RECOMMENDED USE

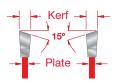
CUT QUALITY	FAIR	GOOD	EXCELLENT
Non-ferrous			
Laminate			
Plywood			
Chip Board			
Crosscuts Wood			
Rips Wood			

CARBIDE GRADE





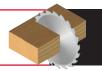




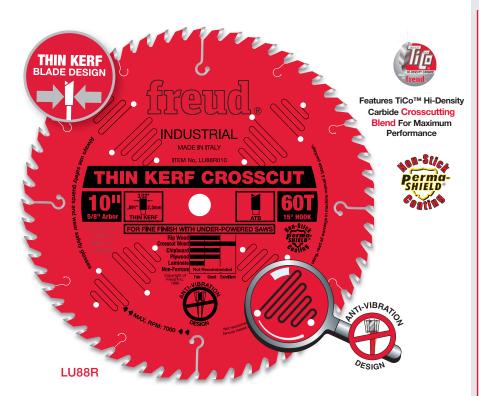
DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®	SILVER ICE™
8-1/2"	.090	.071	5/8"	48 ATB	LU91R008	LU91M008
10"	.090	.071	5/8"	60 ATB	LU91R010	LU91M010
12"	.090	.071	1"	72 ATB	LU91R012	LU91M012

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

Thin Kerf Fine Finish Crosscut Blades



CROSSCUTTING BLADE



RECOMMENDED USE

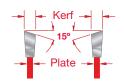
Rips Wood **Crosscuts Wood** Chip Board Plywood Laminate Non-ferrous **CUT QUALITY** FAIR GOOD **EXCELLENT**

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

USE IN



Table Saws

Miter Saws



Portable **Table Saws**

Radial Arm Table Saws

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





Hardwood Softwood





Plywood Laminate

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



Table Saws

Miter Saws



Radial Arm **Table Saws**

Sliding Compound Miter Saws

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









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



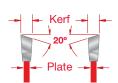
RECOMMENDED USE

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



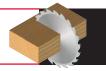






DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
8"	.116	.098	5/8"	64 ATB	LU85R008
9"	.116	.098	5/8"	72 ATB	LU85R009
10"	.116	.098	5/8"	80 ATB	LU85R010
12"	.116	.098	1"	96 ATB	LU85R012
14"	.136	.118	1"	108 ATB	LU85R014
15"	.136	.118	1"	108 ATB	LU85R015

Thin Kerf Ultimate Cut-Off Blades



CROSSCUTTING BLADE



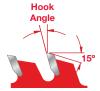
RECOMMENDED USE

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



Table Saws

Miter Saws



Portable Table Saws

Radial Arm **Table Saws**



Sliding Compound Miter Saws

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



Plywood





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











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



RECOMMENDED USE

CUT QUALIT	TY FAIR	GOOD	EXCELLENT
Non-ferrous			
Laminate			
Plywood			
Chip Board			
Crosscuts Woo	d		
Rips Wood			



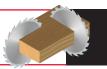




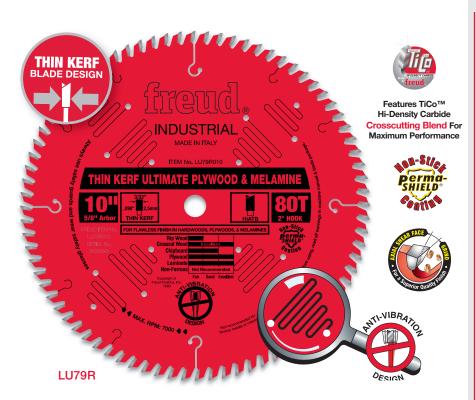


DIA.	KERF	PLATE	ARBOR	TEETH	Perma-SHIELD®
10"	.126	.087	5/8"	80 Hi-ATB	LU80R010
12"	.126	.087	1"	96 Hi-ATB	LU80R012

Thin Kerf Ultimate Plywood & Melamine Blades



PLYWOOD BLADES



RECOMMENDED USE

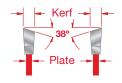
Rips Wood Crosscuts Wood Chip Board Plywood Laminate Non-ferrous GOOD EXCELLENT FAIR

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

USE IN



Table Saws

Miter Saws



Portable **Table Saws**

Radial Arm **Table Saws**



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

DEPTH OF CUT



MATERIALS















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





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.

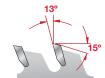


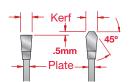
RECOMMENDED USE

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







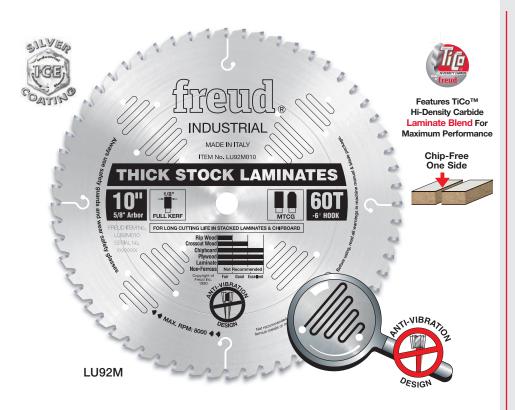


DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
10"	.126	.087	5/8"	40 TCG	LU81M010
12"	.126	.087	1"	48 TCG	LU81M012
14"	.138	.098	1"	54 TCG	LU81M014
16"	.150	.110	1"	60 TCG	LU81M016

Thick Stock Laminate Blades



LAMINATE/ **MELAMINE BLADES**



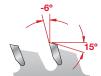
RECOMMENDED USE

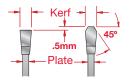
Rips Wood Crosscuts Wood Chip Board Plywood Laminate Non-ferrous **CUT QUALITY** FAIR GOOD **EXCELLENT**

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

USE IN



Table Saws



Vertical Panel Saws

Radial 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 chipfree cuts in thick stock man-made materials



NEGATIVE HOOK ANGLE minimizes in laminates and melamine

DEPTH OF CUT



MATERIALS







Hardwood Softwood

Plywood





OSB

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.

Proper blade height is

LAMINATE/ **MELAMINE BLADE**



Single-Sided Laminate/ Melamine Blade

USE IN



Table Saws

Miter Saws



Vertical Panel Saws

Radial 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





Hardwood Softwood

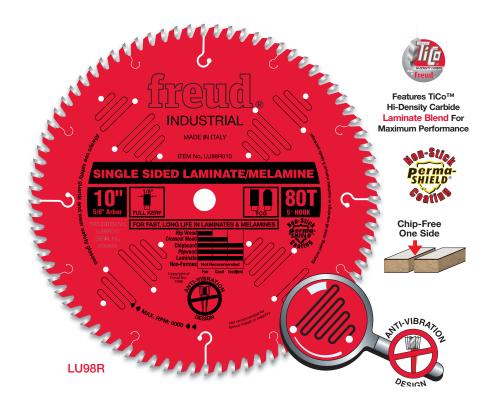




Plywood

Laminate

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.

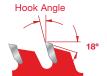


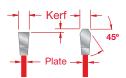
RECOMMENDED USE

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







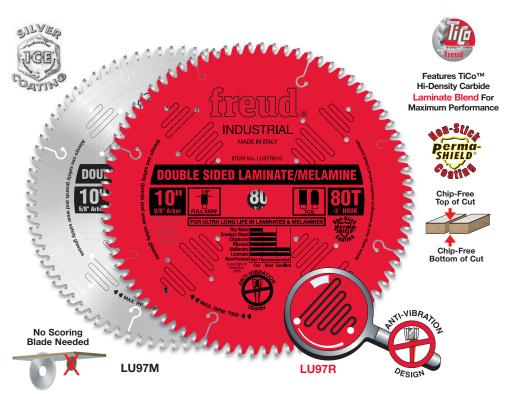


DIA.	KERF	PLATE	ARBOR	HOOK ANGLE	TEETH	Perma-SHIELD®
7"	.126	.087	5/8"	5°	56 TCG	LU98R007
8"	.126	.087	5/8"	5°	64 TCG	LU98R008
9"	.126	.087	5/8"	5°	72 TCG	LU98R009
10"	.126	.087	5/8"	5°	80 TCG	LU98R010
12"	.126	.087	1"	5°	96 TCG	LU98R012
14"	.138	.098	1"	7v°	108 TCG	LU98R014
16"	.150	.110	1"	10°	120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

Double-Sided Laminate/ Melamine Blades



LAMINATE/ **MELAMINE BLADES**



RECOMMENDED USE

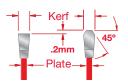
Rips Wood Crosscuts Wood Chip Board Plywood Melamine Laminate Non-ferrous **CUT QUALITY** FAIR GOOD **EXCELLENT**

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	-

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

DEPTH OF CUT





MATERIALS





Hardwood Softwood

Plywood





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



Table Saws

Miter Saws



Portable Table Saws

Radial Arm Table Saws



Vertical Panel 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



THIN KERF

requires less power and allows for faster feed rate

DEPTH OF CUT





MATERIALS









Hardwood Softwood Melamine





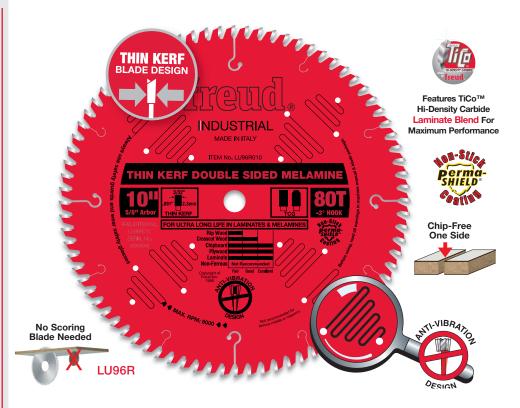


Veneered Plywood

Plywood

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.

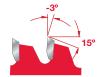


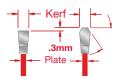
RECOMMENDED USE

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









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

Industrial Plastic Blades



SPECIALTY BLADES



RECOMMENDED USE

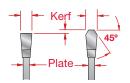
Plexiglass **Plastis** Chip Board Plywood Laminate Non-ferrous **CUT QUALITY** FAIR GOOD **EXCELLENT**

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

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

DEPTH OF CUT





MATERIALS





Plastics

Plexiglass

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 Gibralter® 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

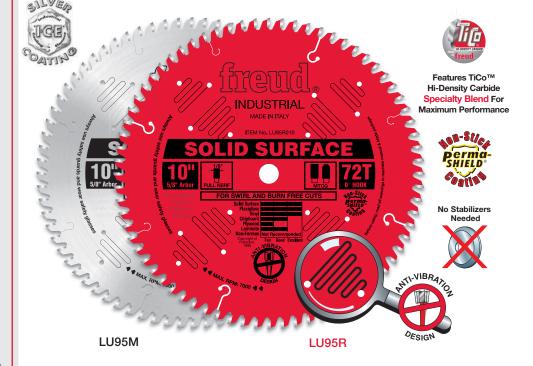




MATERIALS



Solid Surface



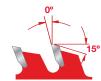
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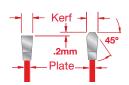
Solid Surface		
Plexyglass		
Vinyl		
Chipboard		
Plywood		
Laminate		
Non-ferrous		

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

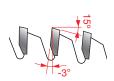


SPECIALTY BLADES



MTCG Grind





DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK 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

USE IN







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 Gibralter® and SSV Fountainhead®.

FEATURES

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



Chipboard

MDF



Coated Particle Board

SPECIALTY BLADES

Industrial Countertop Surface Blades

USE IN



Radial Arm Table Saws

Stationary Table Saws

APPLICATION

To size counter tops

FEATURES

Designed for a smooth cut in laminated material and solid surfaces

MATERIALS





Laminate

Melamine





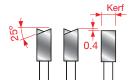
Chipboard

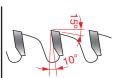
Solid Surface

CONTINUED

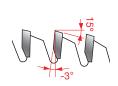


4+1 RAKER Grind

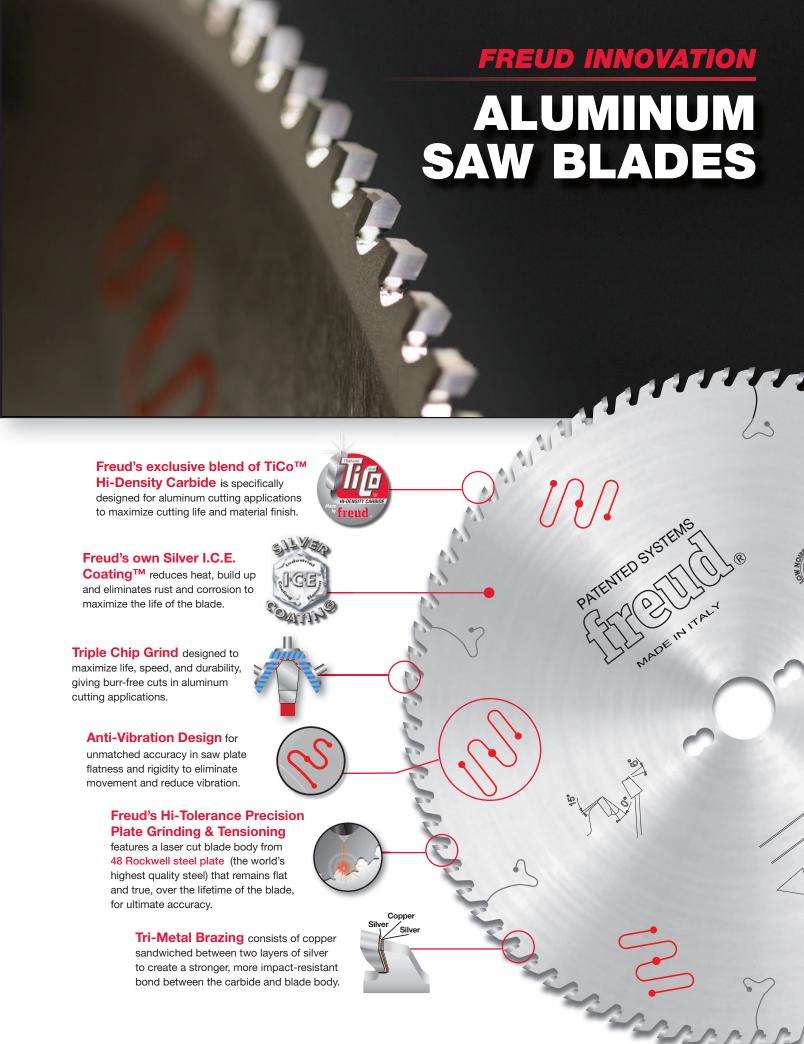




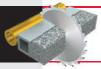




DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	SILVER ICE™
355mm (14")	4.4mm (0.173")	3	1"	0°	100/4+1 RKR	LCL7M10023
406mm (16")	4.4mm (0.173")	3	1"	0°	110/4+1 RKR	LCL7M10015
355mm (14")	4.4mm (0.173")	3	1"	-3°	84/MTCG	LCL7M10016
406mm (16")	4.4mm (0.173")	3	1"	-3°	100/MTCG	LCL7M10014



ALUMINUM BLADES



Medium Stock Aluminum Metal Blades

USE IN



Table Saws

Miter Saws



Portable Table Saws

APPLICATION

This medium stock heavyduty, 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





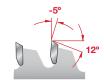
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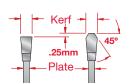
CUT QUALITY	FAIR	GOOD	EXCELLENT
Non-ferrous			
Laminate			
Plywood			
Chip Board			
Crosscuts Wood			
Rips Wood			

CARBIDE GRADE



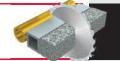




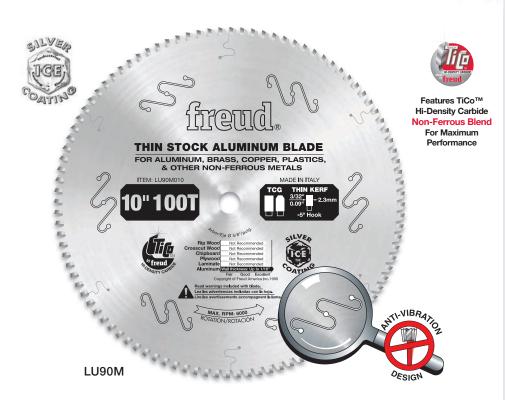


DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
8"	.091	.071	5/8"	60 TCG	LU77M008
10"	.011	.087	5/8"	80 TCG	LU77M010
12"	.011	.087	1"	96 TCG	LU77M012

Thin Stock Aluminum Metal Blades



ALUMINUM BLADES



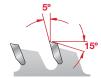
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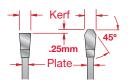


CARBIDE GRADE









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

USE IN



Table 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

WALL THICKNESS





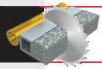


Aluminum

Copper

Brass

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





Copper





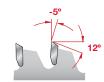
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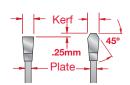
CUT QUALITY	FAIR	GOOD	EXCELLENT
Non-ferrous			
Laminate			
Plywood			
Chip Board			
Crosscuts Wood			
Rips Wood			

CARBIDE GRADE







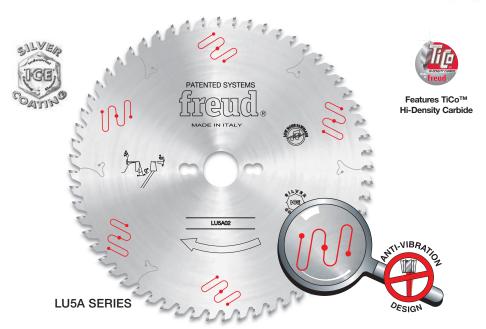


DIA.	KERF	PLATE	ARBOR	TEETH	SILVER ICE™
8"	.091	.071	5/8"	48 TCG	LU89M008
10"	.11	.087	5/8"	60 TCG	LU89M010
12"	.11	.087	1"	72 TCG	LU89M012
14"	.142	.118	1"	100 TCG	LU89M014
15"	.142	.118	1"	108 TCG	LU89M015
16"	.142	.118	1"	114 TCG	LU89M016

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



ALUMINUM BLADES



DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	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

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









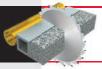
Aluminum

Copper





ALUMINUM BLADES



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

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









Aluminum

Copper

Brass

Plastic (Up to 1" Thick)



	I		l				
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 ICETM
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









Aluminum

Copper

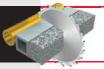




Brass

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 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









Aluminum

Copper





Brass

Plastic (Up to 1" Thick)





Features TiCo™ Hi-Density Carbide

'	LOSO OLI III				, o	ESIGN	
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	- 0/0/40 4 :	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" 400	3.5 3.5	3	1" 32	-6° -6°	96 TCG 96 TCG	- 2/11/63	LU5C1870 LU5C19
400		3	40	-6°		2/11/03	
400	3.5	٥	40	-0	96 TCG	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	0/11/00	LU5C2470
450	4	3.2	32	-6°	108 TCG	2/11/63 2/15/80+	LU5C25
450	4	3.2	40	-6°	108 TCG	2/15/60+	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



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

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







Aluminum Copper





Plastic Brass (Up to 1" Thick)

ALUMINUM BLADES



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

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







Aluminum

Copper

Brass



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





Features TiCo™ **Hi-Density Carbide**



5°

5°

120 TCG

120 TCG

PISTORIUS

2/11/63

LU5E1171

LU5E12

14"

350

3

3

2.5

2.5

5/8"

32

USE IN



Table 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





Aluminum



Copper



RIPPING BLADES



Industrial Ripping Blades

USE IN



Gang Rip

APPLICATION

For gang ripping

FEATURES

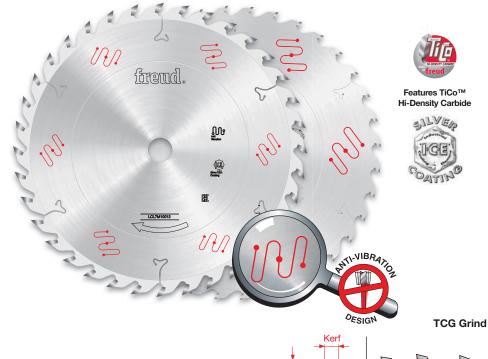
TCG Grind for smooth glue line ready edge and a positive hook angle for fast cutting

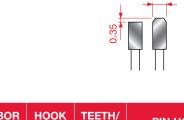


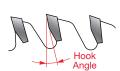


Hardwood

Softwood







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

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



FLAT Grind





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 Saws



Double Miter Table Saws

APPLICATION

To crosscut in industrial applications

FEATURES

Specialty grind design specific for flawless, chip free cutting

MATERIALS





Hardwood

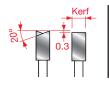
Softwood

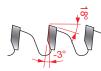


Coated & Non-coated Frames

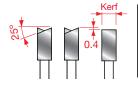


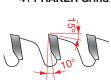
ATB+RAKER Grind

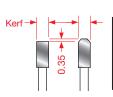


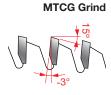


4+1 RAKER Grind









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

USE IN



Sliding Table Saws

APPLICATION

To score the coating on bilaminated panels

FEATURES

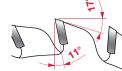
ATB tooth 5° with positive cutting angle



Double sided chipboard







/	11 \ 1	,	,			
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

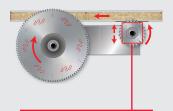
ATB 6° tooth with positive cutting angle

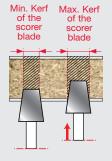


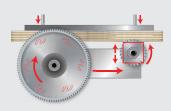


Double sided chipboard

MDF







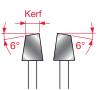


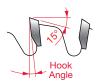


Features TiCo™ Hi-Density Carbide



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

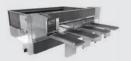


SCORING BLADES

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



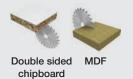
Horizontal Beam Saws

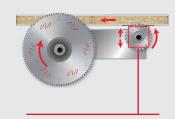
APPLICATION

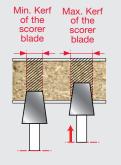
To score the coating on bilaminated panels

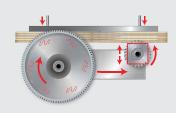
FEATURES

ATB 6° tooth with positive cutting angle









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



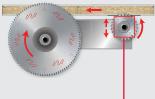


Double sided chipboard

MDF

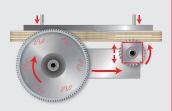
chipboard

Min. Kerf



of the scorer scorer blade

Max. Kerf



Polycrystalline Diamond Conical Scoring Blades



POLYCRYSTALLINE DIAMOND CONICAL SCORING SAW BLADE H4 For each 1mm height displacement the cut becomes 0.2mm wider **KERF** DIA **PLATE ARBOR** ноок ITEM **MACHINES RANGE** TEETH **ANGLE NUMBER** (mm) (mm) (mm) (mm) 120 2.8-3.6 2.2 20 6° 24/Conical Schelling DLI25M28EAH4 6° 24/Conical DLI25M28EBH4 2.8-3.6 2.2 22 120 3.1-3.9 2.2 20 6° 24/Conical DLI25M31EAH4 120 Panhans 125 3.1-3.9 2.2 20 6° 24/Conical DLI25M31FAH4 Schelling 4.3-5.1 3.2 45 6° 30/Conical Holzma DLI25M43NEH4 180 180 4.7-5.5 3.5 45 6° 30/Conical Holzma DLI25M47NEH4 200 36/Conical DLI25M43PIH4 4.3-5.1 3.2 65 6° Selco 200 4.3-5.1 80 6° 36/Conical Gabbiani DLI25M43PLH4 3.2 200 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**



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





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



SE.0	Hook
0.38	Hook

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

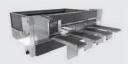


CONTINUED

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 2/17/140 +		LSB67003X
670	6.2	4.2	40	15°	72/TCG	2/13/140 2/13/140 3/15/80 +	LSB67004	
320 350	4.4	3.2	50 50	10°	60/TCG 72/TCG	3/13/95 4/13/80	LSB32004	LSB35006X
380	4.4	3.2	50	10°	60/TCG	29324	LSB38007	
							LGD30007	I CD20000V
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	LOBOUGE	LSB35004X
							1.0000004	L3D33004A
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	202 10000	LSB45008X
430	4.4	3.2	00	10	72/10G			L3D43000X
450	4.8	3.5	60	10°	72/TCG	2/14/125 + 2/17/100	1.0045040	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	LODEOGG	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	Long
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.





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)

								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 75	10°	72/TCG	- 0/40/40	LSB30007	LODOGGOOV
320	4.4	3.2	75 75	10°	72/TCG	3/13/19		LSB32002X
350	4.4	3.2	75 75	10°	72/TCG	-	LODOLLOO	LSB35008X
355	4.4	3.2	75 75	10°	54/TCG	-	LSB35502	LODOLLOLA
355	4.4	3.2	75 75	10°	72/TCG	4/15/105	L CD20010	LSB35505X
380 400	4.4 4.4	3.2 3.2	75 75	10° 15°	72/TCG	2/14/100	LSB38012	LSB40005X
400	4.4	3.2	75 75	10°	60/TCG 72/TCG	4/15/105 4/15/105		LSB40005X LSB40008X
430	4.4	3.2		-			I SP4200E	LSB40006X
430	4.4	3.2	75 75	15° 10°	60/TCG 72/TCG	4/15/105 4/15/105	LSB43005	LSB43008X
430	4.4	3.2	75 75	10°	96/TCG	4/15/105		LSB43006X LSB43010X
460	4.4	3.2	75 75	10°	72/TCG	2/9/110		LSB46002X
470	4.4	3.2	75 75	15°	60/TCG	4/15/105	LSB47002	L3D40002X
470	4.4	3.2	75 75	10°	72/TCG	4/15/105	LOD41002	LSB47003X
470	4.4	3.2	75 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
				400		2/14/110 +		
300	4.4	3	80	10°	60/TCG	4/9/100 2/14/110 +		LSB30004X
300	4.4	3	80	10°	72/TCG	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











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





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	

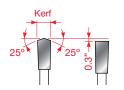
Industrial Panel Sizing Blades



PANEL SIZING BLADES

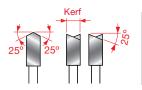


PYRAMID + RAKER Grind





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





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



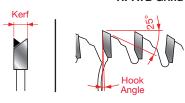


Veneered Plywood

Double sided melamine, laminates

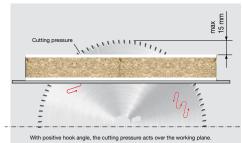








Working with spindle under the working plane



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

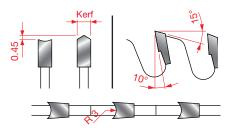
Sliding & Vertical Panel Sizing Blades



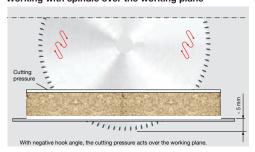




PYRAMID + HALLOW Grind



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	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

Features TiCo™

Hi-Density Carbide



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





Double sided plywood veneers

Double sided laminates



Double 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



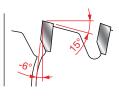
Double sided melamine



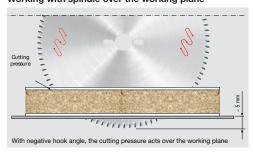
FLAT + TCG Grind







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

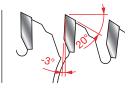
Sliding & Vertical Panel Sizing Blades





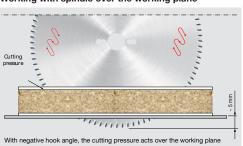
FLAT + TCG Grind







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	-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

USE IN





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





Double sided plywood veneers

Double sided laminates





Plastic

Solid surface

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





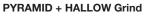
Double sided plywood veneers

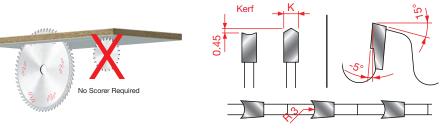
Double sided laminates



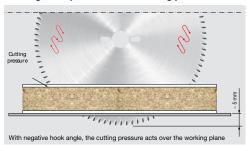
Double sided melamine







Working with spinda over the working plane



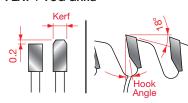
DIA. (mm)	KERF (mm)	PLATE (mm)	ARBOR (mm)	HOOK ANGLE	TEETH/ GRIND	PIN HOLES	ITEM NUMBER
220	3.2	2.2	30	-5°	42/HG	2/7/42	LU3C01
250	3.2	2.2	30	-5°	48/HG	2/7/42 + 2/9/46.4 + 2/10/60	LU3C02
303	3.2	2.2	30	-5°	60/HG	2/7/42 + 2/9/46.4 + 2/10/60	LU3C03
350	3.2	2.2	30	-5°	72/HG	2/7/42 + 2/9/46.4 + 2/10/60	LU3C04

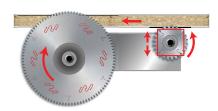
Sliding Panel Sizing Blades





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

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





Double sided plywood veneers

Double sided laminates



Double sided melamine

MACHINE REFERENCE

Industrial Machine Reference

Sliding & Vertical Panel Sizing Blades

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Vertical Panel Sizing Blades

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Vertical Panel Sizing Blades Page 62

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

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

Horizontal Panel Sizing Blades Page 63

Horizontal & Vertical Panel Sizing Blades Page 64

Horizontal & Vertical Panel Sizing Blades Page 65

MACHINE REFERENCE

Industrial Machine Reference

Industrial Crosscutting Blades

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Industrial Panel Sizing Blades

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Industrial Solid Countertop Blades

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Industrial Glue Line Rip Blades

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Industrial Glue Line Rip Blades For Gang Ripping

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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

CONTINUED

MACHINE	(mm)	(mm)	PIN HOLES	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

MACHINE REFERENCE

CONTINUED

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

MACHI	NE	(mm)	(mm)	PIN HOLES	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

Specialty Blades for Cutting Non-Ferrous/ Plastics/Corian

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Pallet & Lumber **Ripping Blades**

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Adjustable Scoring Blades for Sliding Table Saws

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Conical Scoring Blades for Horizontal Beam Saws

Page 48-49

MACHINE REFERENCE

Industrial Machine Reference

Conical Scoring Blades for Horizontal Beam Saws Page 48-49 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

Panel Sizing Blades for Horizontal Beam Saws Page 52-56

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

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	LSB38002X
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
	450	60		
Holzma			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

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	LSB40008
Giben, Hernag Giben	430	75	4/15/105	LSB43002
Giben	430	75	4/15/105	LSB43002
Giben	430	75	4/15/105	LSB43008
Giben	430	75	4/15/105	LSB43010X
Giben	460	75	2/9/110	LSB46002>
Giben	470	75 75		LSB400027 LSB47001
		75 75	4/15/105	
Giben	470		4/15/105	LSB47002
Giben	470	75 75	4/15/105	LSB47003>
Giben	470	75 75	4/15/105	LSB47004>
Giben	500	75 75	4/15/105	LSB50010>
Giben	500	75	4/15/105	LSB50012
SCM	300	80	2/14/110 + 4/9/100	LSB30004>
SCM	300	80	2/14/110 + 4/9/100	LSB30008>
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	LSB35005>
Gabbiani	355	80	4/9/100 + 2/9/110 + 2/14/110	LSB35503>
Gabbiani	355	80	4/9/100 + 2/9/110 + 2/14/110	LSB35506>
Gabbiani	380	80	4/9/100 + 2/9/110 + 2/14/110	LSB38009>
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	LSB39001>
Selco	400	80	4/19/120 + 2/9/130	LSB40006
Selco	400	80	4/19/120 + 2/9/130	LSB40009>
Gabbiani	400	80	4/9/100 + 2/9/110 + 2/4/110	LSB40011>
Gabbiani	400	80	4/9/100 + 2/9/110 + 2/4/110	LSB40012

Industrial Machine Reference

MACHINE REFERENCE

	DIA.	ARBOR		ITEM
MACHINE	(mm)	(mm)	PIN HOLES	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



Not a Wobble Daddo!

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



all it takes!

2



TIGHTEN

Dial-A-Width Stacked Dado Sets

DADO SETS

SD600 SERIES

Whether you're a skilled professional or a weekend hobbiest, 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

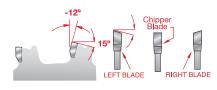
Veneered Plywood

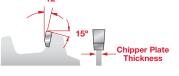
RECOMMENDED USE

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

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

USE IN



Table Saws





Portable Table Saws

Radial 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



Laminate plywood

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

Super Dado Sets

USE IN



Radial Arm Table Saws

APPLICATION

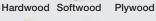
The first to include a 3/32" thick chipper and has the flexibility of an adjustable dado to handle today's undersized plywood. This allows the cut width to be adjusted in .004" (k5) increments and doubles the number of slot widths available.

SET INCLUDES



MATERIALS







For safety and best results, when cutting wide and/or deep dadoes, 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.



Freud's Dado Sets create clean edges, square shoulders & flat bottoms leave splinters and

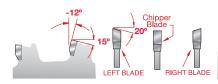
SD500 Series

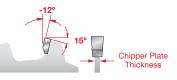
RECOMMENDED USE

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

CARBIDE GRADE







ITEM NO.	DIA.	TEETH	ARBOR	CHIPPER PLATE THICKNESS
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	NO. CHIPPER REQUIRED			
WIDTH	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	NO. CHIPPER REQUIRED			
WIDTH	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

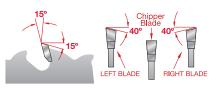




SD300 Series

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

USE IN



Table Saws



Portable Table Saws

APPLICATION

Safe and splinter free dadoes. 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

(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.

DADO SETS

Pro Dado Set

USE IN





Portable Table Saws

Radial 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

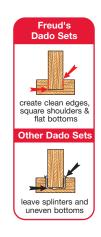
> **CAUTION:** Carbide tips should never come into contact with each other. Always use both outside blades and never use chippers alone or with just one outside blade.





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





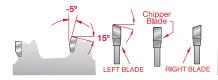
SD200 Series

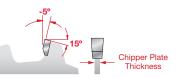
RECOMMENDED USE

Non-Ferrous		
Laminate		
Plywood		
Chip Wood		
Softwood		
Hardwood		

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

SLOT	NO. CHIPPEI	R REQUIRED
WIDTH	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

DADO SETS





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





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

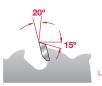
RECOMMENDED USE

SB0X8 Series

Non-Ferrous		
Laminate		
Plywood		
Chip Wood		
Softwood		
Hardwood		

CARBIDE GRADE







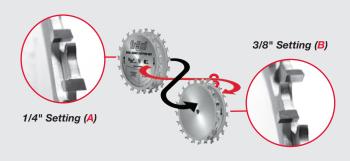




ITEM NO.	DIA.	TEETH	ARBOR	HOOK ANGLE	WIDTH OF CUT
SBOX8	8"	20	5/8"	20°	1/4" Groove & 3/8" Groove

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).



USE IN



Table Saws

APPLICATION

Cutting Grooves to Create Box Joints in Softwood or Hardwood. Creating perfectly square, flatbottom box joints, on a table saw without using a dado set or saw blade. The SBOX8 Box Joint Cutter Set makes box joint construction easy, producing strong, accurate joints without shims or awkward adjustments.

SET INCLUDES



2 Blades

MATERIALS







OSB

Laminate

Make test cuts and sample joints with your new SBOX8 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

Dado Chipper Set-Up & Configuration Guide

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

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	©	•	•	©	٥	©	0	©	•	②	•
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	%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	•	②	②	•	•	②	©	•	•	•	♦	②
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	©	©	₩	②	₩	©	♦	₩	₩	₩
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	-	-	-	-	-	-	-	-
0.012" (0.3mm) Shim	N/A	-	0	-	-	-	-	-	-	-	-
0.008" (0.2mm) Shim	N/A	-	_	-	-	-	-	-	_	_	-
0.004" (0.1mm) Shim	N/A	-	-	-	-	-	_	-	-	-	-

Dado Chipper Set-Up & Configuration Guide

DADO SETS

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	•	•	②	•	•	©	0	٥	©	©	•	0
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	-	-	-	_	-	-	-	-	-	-	О	-
0.012" (0.3mm) Shim	-	-	-	-	-	-	-	-	-	-	О	-
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	②	•	©	•		•	♦	•	•	•
Right Outside Blade	N/A		•		②		•	•	•		•
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	-	0	-	0	-	0	_	O
0.012" (0.3mm) Shim	N/A	-	0	-	О	-	0	-	0	_	0
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"	 %"	29/32"
Left Outside Blade	•	•	•	•	•	•	0	•	©	•	0	٥
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	-	0	-	0	-	0	-	0	-	0	O	N/A
0.012" (0.3mm) Shim	-	0	-	0	-	0	-	0	-	0	O	N/A
0.008" (0.2mm) Shim	-	-	-	_	-	-	-	_	-	-	O	N/A
0.004" (0.1mm) Shim	-	-	-	_	_	-	-	_	-	-	0	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

Dado Chipper Set-Up & Configuration Guide

Set-Up For SD200 Series Dado Sets

Cuts Dadoes 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

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	•	•	•	•	©	•	♦	•	②	•
Right Outside Blade	N/A	•	•	•	②		•		•		•
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	-	О	-	0	-	0	-	О
0.012" (0.3mm) Shim	N/A	-	0	-	0	-	0	-	О	-	0
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 %"	29/32"
Left Outside Blade	②	•	②	•	©	©	©	٥	②	•	٥	•
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	-	0	-	0	-	0	-	0	-	0	0	N/A
0.012" (0.3mm) Shim	-	0	-	0	-	0	-	0	-	0	0	N/A
0.008" (0.2mm) Shim	_	-	-	_	-	-	-	_	_	-	0	N/A
0.004" (0.1mm) Shim	-	-	-	-	-	-	-	-	-	-	202	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

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

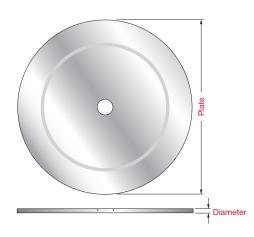
ITEM	FOR	DIA.	TEETH	ARBOR	ORIENTATION
SD206OLH	SD206	6"	10	5/8"	Left Side
SD206ORH	SD206	6"	10	5/8"	Right Side
SD208OLH	SD208	8"	12	5/8"	Left Side
SD208ORH	SD208	8"	12	5/8"	Right Side
SDOS06LH	SD306	6"	24	5/8"	Left Side
SDOS06RH	SD306	6"	24	5/8"	Right Side
SDOS08LH	SD308	8"	24	5/8"	Left Side
SDOS08RH	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



Portable Table Saws

Radial Arm Table Saws

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



Laminate

OSB

CALIBRATION & SANDING DISKS

Blade Stabilizers & Stiffeners

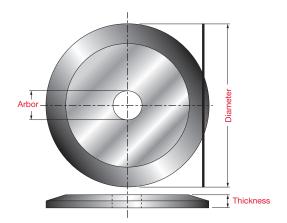
APPLICATION

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

SC Series Stabilizer Sets (2 pieces)

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



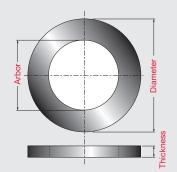
Saw Blade Bushings

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
BL71M FD9	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.







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.



	Straight, Spiral & Trim Bits	141-142	Beading Bits		Door & Window
88-95	Double Flute Straight Bits	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		148	Flute Bits	227	One-Piece Rail & Stile Bits
	Up Spiral Bits	149	Triple Beading Bits	228-232	Entry & Interior Door System
103	Premier Solid Carbide Chipbreaker Down Spiral Bits	149	Traditional Beading Bits	233	3-Piece French Door Bit Set
104		150	Corner Beading Bits		5-Piece French Door Bit Set
104	Spiral Bits	151	Table Top Edge Classical Bit	234 235	2-Piece French Door Bit Set
104		151	Table Top Edge Classical Bold Bit		
	Spiral Bits	152	Chamfer Bits	236	French Provincial Raised Panel Bits
105	Premier Solid Carbide O-Flute	153-154	Multi-Profile Bits	237	Matched Rail & Stile Mini Profile
	Straight Bits			238-241	Quadra-Cut Raised Panel Bits
	Diamond Compression Bit		Architectural Millwork	242-243	Quadra-Cut Raised Panel Bits w/Backcutters
106	Black I.C.E.™ Router Bits	155	Brick Molding Bit	244-245	Vertical Raised Panel Bits
107	Premier Solid Carbide Chipbreaker Dbl. Compression Spirals	156-157	Casing Bits	246	Door Pull Bit
107	1-Flute Compression Bits	158-159	Chair Rail Bits	247	Door Lip Bit
	2-Flute Compression Bit	160-161	Base and Cap Bits		
109	3-Flute Compression Bit	162-163	Beadboard Bit System	248	No Lip Door Edge Bit
109	4-Flute Compression Bit	164	Table Edge & Handrail Bits	248	Finger Pull Door Lip Bit
110-111	Mortise Compression Spiral Bits	165	Handrail Bits	249	Drawer Front Bit
112	Solid Carbide Flush Trim Bits	166-167	Face Molding Bits	249	Window Stool Bit
112	Panel Pilot Bits	168	Reversible Wainscoting Bit		
113	Super Hook Straight Bits	169-172	Wide Crown Molding System		Router Bit Sets
113	Downshear Helix Flush Trim Bit	173-175	Crown Molding Bits	250	9 Piece Basic Set
114	Flush Trim Spiral Bits		J. Contract of the contract of	251	5 Piece Introductory Set
115	Bearing Flush Trim Bits		Joinery	251	5 Piece Up Spiral Bit Set
116-117	Top Bearing Flush Trim Bits	176-178	Dovetail Bits	252	5 Piece Down Spiral Bit Set
118	Top & Bottom Bearing Flush Trim Bits	178	Butterfly Spline Bit	252	3 Piece Undersized Plywood Set
118	Bevel Trim Bit	179	Rabbeting Bits	253	4 Piece Undersized Plywood Set
119	Flush & Bevel Trim Bit	180	Rabbeting Bits with Bearings	254	8 Piece General Purpose Bit Set
119	Radius Laminate Trim Bit	181	Stacked Slotting Set	255	3 Piece Lettering & Sign Bit Set
120	Insert Bevel Trim Bit	182	Biscuit Joining Set	255	3 Piece Carving Bit Set
120	Laminate Miter Joint Bits	183	Three Wing Slotting Cutters	256	3 Piece CNC Fine Detail Bit Set
121	Flush Trim "V" Groove Bit	183	Four Wing Slotting Cutters	256	4 Piece Radius "V" Grooving Bit Set
	Educ Treatment	184	Slotting Cutter Arbors	257	8 Piece Sign Making Bit Set
122-123	Edge Treatment	185	Slotting Cutter Sets	258	6 Piece Starter Set
124	Round Nose Bit Dish Carving Bit	186	Canoe Joint Bits	259	15 Piece Advanced Set
125	"V" Veining Bit	186	Reversible Glue Joint Bit	260-261	26 Piece Artisan Set
125	Lettering Bits			262	13 Piece Super Set
126	"V" Grooving Bits	187	Drawer Lock Bits	263-264	3 Piece Cabinet Set (adjustable)
	Ogee Groove Bits	188	Lock Miter Bits	264	5 Piece Cabinet Set (adjustable)
	Cove & Bead Groove Bits		Wedge Tongue & Groove Bits	265	3 Piece Door Construction Set
	Classical Beading Groove Bits	190	Adjustable Tongue & Groove Bit Set	266	2 Piece Wide Crown Molding Set
128-129	Ovolo Bits	191	Raised Panel "V" Joint Bit	267	
130	Standard Ogee Groove Bits	191	Finger Joint Bit	267	5 Piece Round Over/Beading Set
130	Top Bearing Fillet Ogee Groove Bits		Variable Height Finger Joint Bit		8 Piece Bit Sets for Incra Jig®
131	Top Bearing Classical Cove & Bead	193	"V" Panel Bit Set	269	3 Piece Cove Set
	Groove Bits			269	3 Piece Chamfer Set
131	Top Bearing Cove & Bead Groove Bits		Solid Surface		6 Piece Straight Set
132	Radius "V" Grooving Bits		Round Over Bowl Bits	2.0	or loss straight set
132	Engraving "V" Grooving Bits	195	Ogee Bowl Bits		Parts & Accessories
133	Detail Carving Bit		Bevel Bowl Bits	271	Ball Bearing
133	Tapered Ball Tip Bits	197	Flush Trim Solid Surface Bits	272	
134	T-Slotting Cutter Bits	198	Overhang Trim & Cut Out Bits	273	
134	Key Hole Bit	199	Wavy Joint Bit	213	Dail Dealing Heplacement Chart
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 & Fillet Bits	201	Rounding Over Bits		
137 137	Cove & Fillet Bits Classical Cove Bits	202	Inlay Bits		
137		203	Drainboard Bits		
100	COLLYON LUGO DIL	204 207	Trimming Panair & Paul Pamayal Pita		

204-207 Trimming, Repair & Bowl Removal Bits

208-211 Solid Surface Edge Profile Bits

140 Drop-Leaf Table Bit Set

140 Rounding Over Bits with Steel Pilots

138-139 Rounding Over Bits

STRAIGHT, SPIRAL & TRIM BITS



ITEM NUMBER

04-096**

04-098**

04-100**

Double Flute Straight Bits

CARBIDE

HEIGHT

1/4"

3/8"

3/8"

SHANK

DIA.

1/4"

1/4"

1/4"

OVERALL

LENGTH

1-5/8"

1-5/16"

1-3/4"

OVERALL

DIA.

1/16"

3/32"

1/8"

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



Shank
Dia.

Overall
Dia.

Double Flute

* Solid Carbide

* Eclipse Grind

12-138*

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

1-1/4"

5/8"

04-101** 5/32" 5/8" 1/4" 1-1/2" 04-102** 3/16" 1/2" 1/4" 2" 04-103** 2" 3/16" 5/8" 1/4" 1/2" 2" 04-104** 1/4" 1/4" 2" 04-105** 1/4" 5/8" 1/4" 04-106** 1/4" 3/4" 1/4" 2-1/4" 7/8" 2-1/4" 04-107** 1/4" 1/4" 04-108** 1/4" 1" 1/4" 2-1/2" 1/4" 7/8" 1/4" 2-7/8" 04-109** 1/4" 1" 1/4" 2-7/8" 04-110** 1" 2" 9/32" 1/4" 04-112* 5/16" 1" 1/4" 2-1/2" 04-118* 3/8" 7/8" 1/4" 1-7/8" 04-120* 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" 1/2" 3/4" 1/4" 2-1/4" 04-130* 7/8" 04-131* 1/2" 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" 1/4" 9/16' 3/4" 2-1/8" 04-134* 04-136* 5/8" 3/4" 1/4" 2-1/8" 1/4" 2-3/4" 04-137* 5/8" 1-1/4" 3/4" 2-1/8" 04-138* 11/16" 1/4" 3/4" 3/4" 1/4" 2-1/8" 04-140* 04-144* 1-13/16" 3/4" 1/4" 2" 2" 04-148* 7/8" 3/4" 1/4" 04-152* 1" 3/4" 1/4" 2" 04-156* 1-1/8 1/4" 2-9/16" 3/4" 08-106 1/4" 3/8" 2" 3/8" 1" 2-1/4" 08-124 3/8" 1" 08-132 1/2" 3/8" 2-1/2" 1" 08-136 5/8" 3/8" 2-1/4" 08-152 3/4" 1" 3/8" 2-1/4" 3/4" 1/2" 12-096* 15/64 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" 5/16" 1" 1/2" 2-3/4" 12-106* 1" 1/2" 3/8" 2-5/8" 12-108* 12-110* 3/8" 1-1/4 1/2" 2-7/8" 12-112*** 13/321 1" 1/2" 2-5/8" 7/16" 1-1/4" 1/2" 12-113* 3-1/4" 12-115* 7/8" 1-1/4" 1/2" 2-3/4" 12-116* 1/2" 1/2" 2-5/8" 12-118* 1/2" 1-1/4" 1/2" 2-7/8" 1-1/2" 12-122* 1/2" 1/2" 3-1/8" 1/2" 1-1/2" 1/2" 4-1/4" 12-124* 12-128* 1/2" 2" 1/2" 4-1/8" 1/2" 2-1/2" 1/2" 4-3/8" 12-130* 12-134* 9/16" 1-1/4" 1/2" 2-7/8" 12-136* 5/8" 1" 1/2" 2-1/2"

2-1/2"

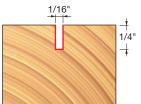
1/2"

Double Flute Straight Bits

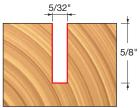


STRAIGHT, SPIRAL & TRIM BITS

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"
	Under	rsized Plywood B	its	,
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"







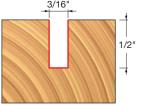
04-101

* Solid Carbide

* Eclipse Grind



04-102



3/8"



3/16"

04-103

04-100

** 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





CNC

Hand Router

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





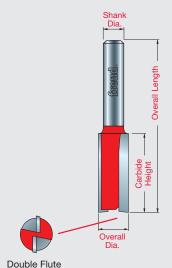


3/8"

Hardwood Softwood

OSB







STRAIGHT, SPIRAL & TRIM BITS



Double Flute Straight Bits

CONTINUED

USE IN



Table Router



Hand Router

APPLICATION

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



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

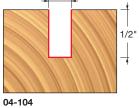
OSB





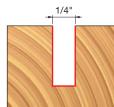
Double Flute

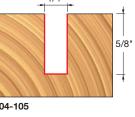
1/2



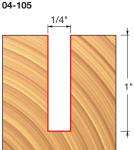
1/4" 7/8"

04-107 / 04-109 / 12-102

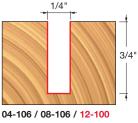


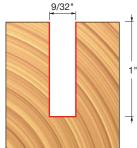


04-105



04-108 / 04-110

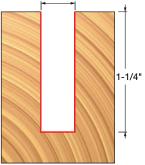




04-112 3/8"

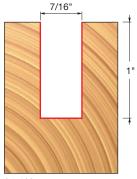
04-124 / 08-124 / 12-108 04-120

7/8"



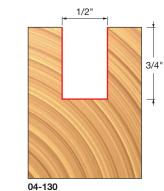
04-126 / 12-110

04-118 / 12-106



04-129

7/8"



1/2"

04-132 / 08-132 / 12-116

1/2" 1-1/4"

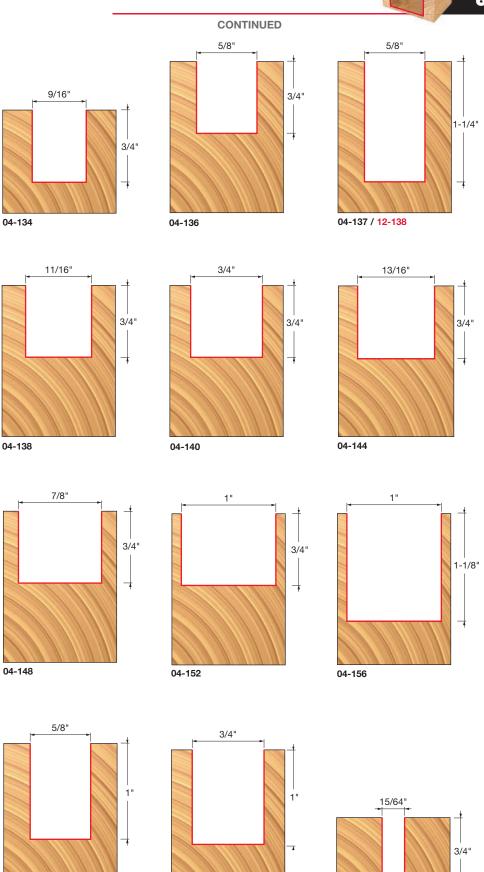
04-133 / 12-118



Double Flute Straight Bits



STRAIGHT, SPIRAL & TRIM BITS



USE IN



Table Router





CNC

Hand Router

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







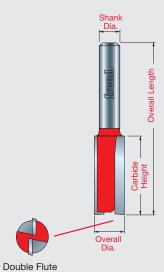
Hardwood

ood Softwood

Plywood

OSB







* Solid Carbide

08-136 / 12-136

08-152 / 12-152

Red Item Numbers Indicate 1/2" Shank

STRAIGHT, SPIRAL & TRIM BITS



Double Flute Straight Bits

USE IN



Table Router





Hand Router

APPLICATION

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



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

MATERIALS





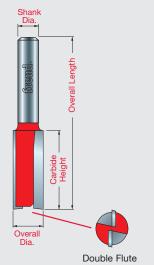


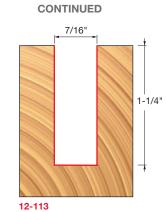
Hardwood Softwood

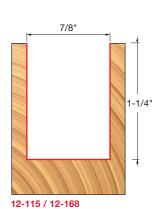
Plywood

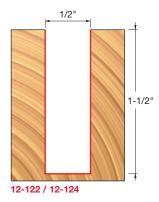
OSB

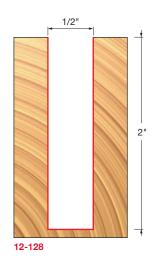


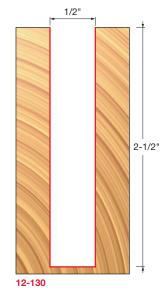


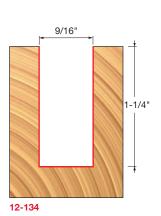


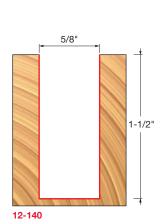


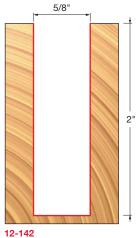








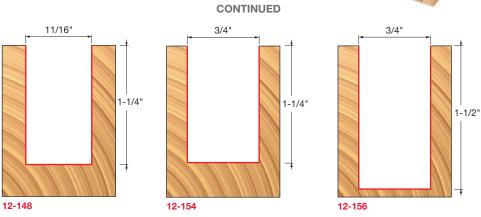


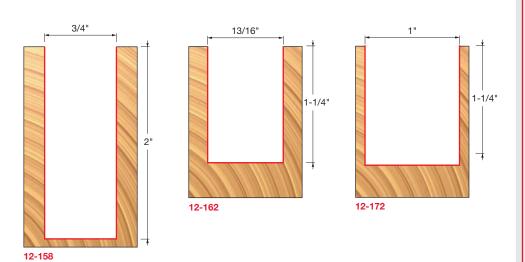


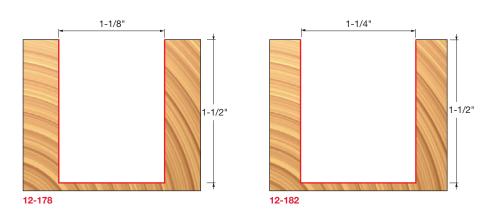
Double Flute Straight Bits



STRAIGHT, SPIRAL & TRIM BITS







USE IN



Table Router





CNC

Hand Router

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



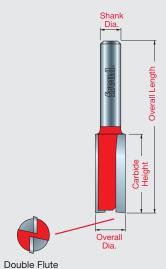




Hardwood Softwood



OSB Laminate





STRAIGHT, SPIRAL & TRIM BITS



Double Flute Straight Bits

USE IN



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

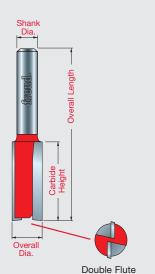
Freud's Eclipse Grind™
provides optimal chip
clearance for less build-up;
extending the life of the
bit while allowing for
2x resharpenings

MATERIALS

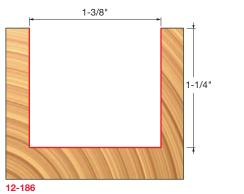


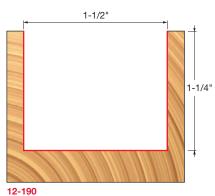
Hardwood Softwood Plywood





CONTINUED

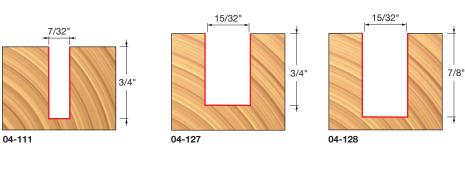


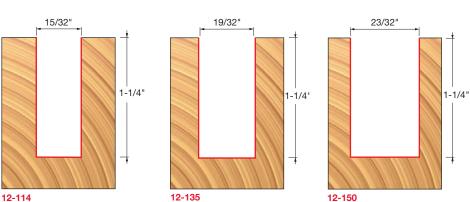


1-3/4"

12-194

Undersized Plywood Bits





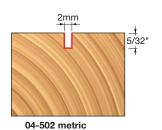
Double Flute Straight Bits

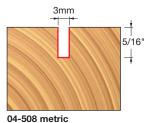


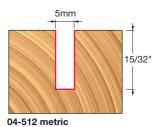
STRAIGHT, SPIRAL & TRIM BITS

CONTINUED

Metric Version

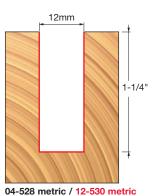


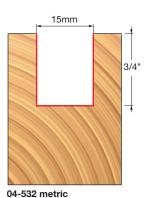


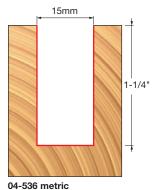


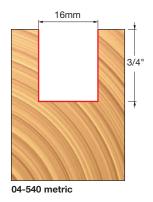
10mm 1-1/4"

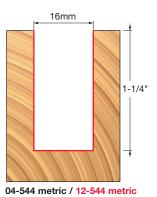
04-520 metric / 12-520 metric

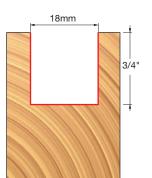


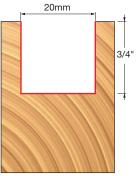












04-548 metric 04-552 metric

USE IN





Hand Router

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





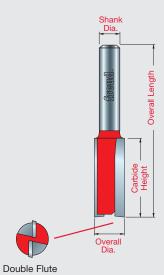


Hardwood

Plywood

OSB









STRAIGHT, SPIRAL & TRIM BITS



Single Flute Straight Bits

USE IN



Table Router



Hand Router

APPLICATION

High production work with maximum chip clearance for fast feed rates

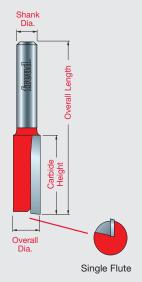
MATERIALS



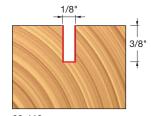
OSB

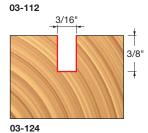


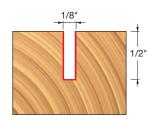
OSB Laminate

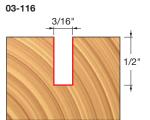


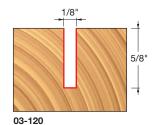
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
03-112*	1/8"	3/8"	1/4"	1-1/2"
03-116*	1/8"	1/2"	1/4"	2"
03-120*	1/8"	5/8"	1/4"	2"
03-124*	3/16"	3/8"	1/4"	1-1/2"
03-128*	3/16"	1/2"	1/4"	2"
03-132*	1/4"	1/2"	1/4"	2"
03-136*	1/4"	3/4"	1/4"	2-1/2"
03-140*	1/4"	1-1/2"	1/4"	2-1/2"
03-144*	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"





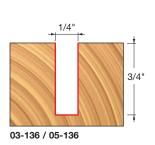


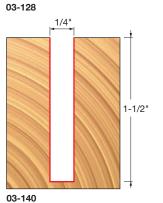


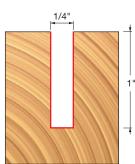


1/4"

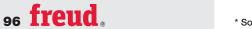
03-132 / 11-136







03-144

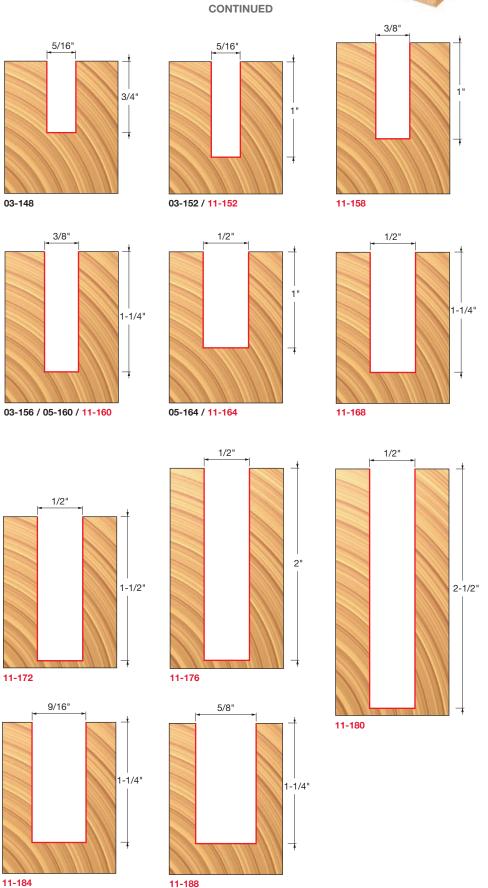




Single Flute Straight Bits



STRAIGHT, SPIRAL & TRIM BITS





Single Flute



STRAIGHT, SPIRAL & TRIM BITS



Mortising Bits

USE IN



Table Router



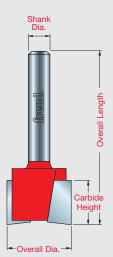
APPLICATION

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

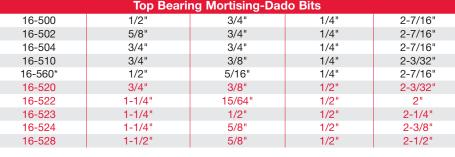


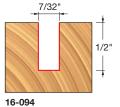
OSB Laminate

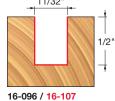


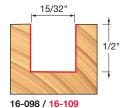


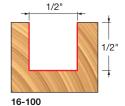
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
16-096	11/32"	1/2"	1/4"	2"
16-098	15/32"	1/2"	1/4"	2"
16-100	1/2"	1/2"	1/4"	2"
16-102	5/8"	1/2"	1/4"	2"
16-103	23/32"	1/2"	1/4"	1-3/4"
16-104	3/4"	1/2"	1/4"	2"
16-106	1-1/4"	29/64"	1/4"	2-1/8"
16-094**	7/32"	1/2"	1/2"	2-1/4"
16-107**	11/32"	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 Beari	ng Mortising-Dad	lo 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"





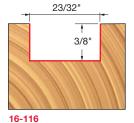






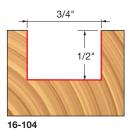
5/8"

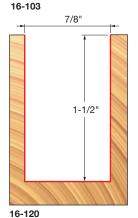
16-102



23/32"

3/4"





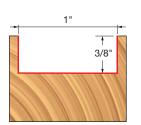
^{*} Overall bearing diameter is 5/8"

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

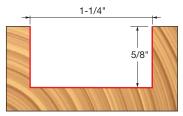
Mortising Bits



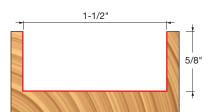
STRAIGHT, SPIRAL & TRIM BITS



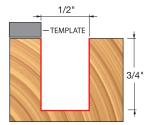
16-122



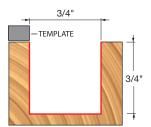
16-524 Top Bearing



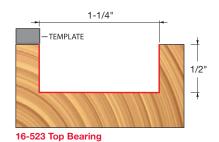
16-128



16-500 Top Bearing



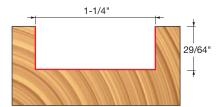
16-504 Top Bearing



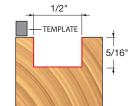
1-1/4" 1/2

16-108

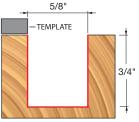
CONTINUED



16-106



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



16-502 Top Bearing



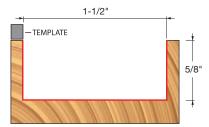
3/4"

3/8"

TEMPLATE



16-522 Top Bearing



16-528 Top Bearing

USE IN



Table Router





Hand Router

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

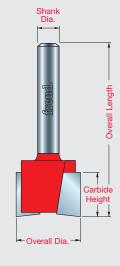


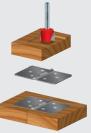
Hardwood

Softwood

Plywood











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

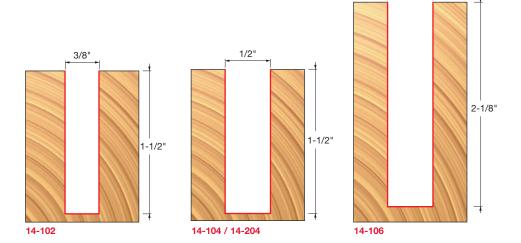






ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
14-102	3/8"	1-1/2"	1/2"	3-1/4"
14-104	1/2"	1-1/2"	1/2"	3-1/4"
14-106	1/2"	2-1/8"	1/2"	4"
14-204	1/2"	1-1/2"	1/2"	3-3/16"

1/2"



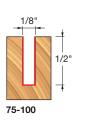
Premier Solid Carbide Spiral Bits

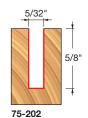


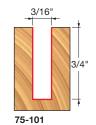
STRAIGHT, SPIRAL & TRIM BITS

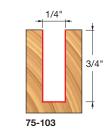
Up Spiral Bits

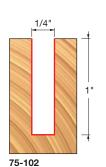
	U	p Spirai Bits		from
ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL CMADE LENGTH
		Double Flute		
75-100*	1/8"	1/2"	1/4"	2"
75-101*	3/16"	3/4"	1/4"	2-1/4"
75-102*	1/4"	1"	1/4"	2-1/2"
75-103*	1/4"	3/4"	1/4"	2-1/2"
75-104*	5/16"	1"	1/2"	3"
75-105*	3/8"	1-1/8"	3/8"	3"
75-106*	3/8"	1-1/4"	1/2"	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"

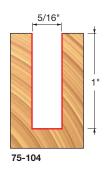


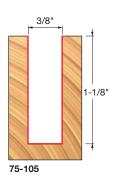


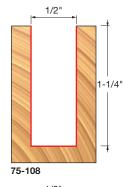


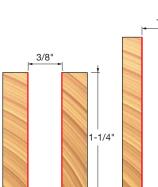


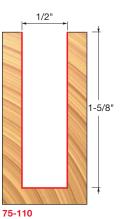


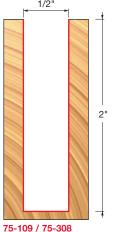


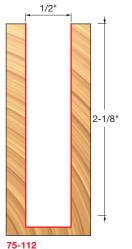
















SOLID







CNC

Hand Router

APPLICATION

Cutting mortises and routing deep blind holes

MATERIALS











75-106 / 75-306

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

		Down Spirai		
ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH		K OVERALL LENGTH
		Double Flut	 e	
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"
1/8" 1/2" -100	5/32" 5/8" 76-202	3/16"	7/32" 76-204 3/8"	76-103 1/2"
1/4"	5/16"	3/8"		1-1/4"
-102 70	6-104 76	i-105	76-106 / 76-306	76-108 1/2"
				1 1 1
1/2"	1/2"	1-5/8"	1/2"	2-1/8



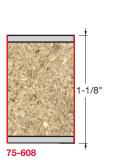
Premier Solid Carbide Chipbreaker Spiral Bits



STRAIGHT, SPIRAL & TRIM BITS

Up Spiral Bits

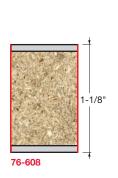
ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH				
Double Flute								
75-510*	1/2"	1-5/8"	1/2"	3-1/2"				
	Triple Flute							
75-608*	1/2"	1-1/8"	1/2"	3"				
75-610*	1/2"	1-5/8"	1/2"	3-1/2"				

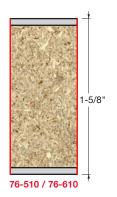




Down Spiral Bits

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"				





CONTINUES on page 107

SOLID USE IN







Hand Router

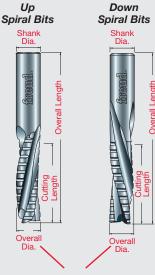
r CN

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.













STRAIGHT, SPIRAL & TRIM BITS

SOLID

Premier Solid Carbide O-Flute Spiral Bits

USE IN



Table Router



Hand Router

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



Plastic



Up Spiral Bits



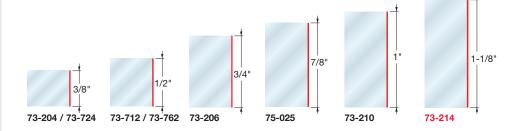
Down Spiral Bits

SOLID



Up Spiral Bits

freu	eud					
RES	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"

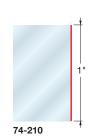


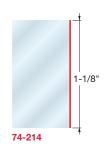
Down Spiral Bits

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"







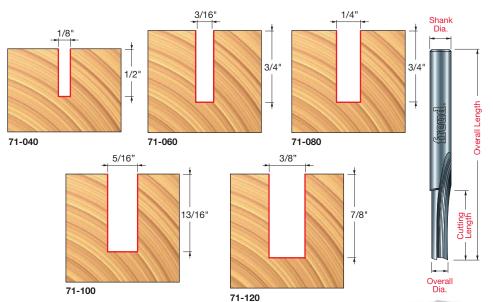


Premier Solid Carbide O-Flute Straight Bits



STRAIGHT, SPIRAL & TRIM BITS





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



OSB

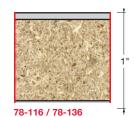




Diamond Compression Bits











Shank Dia.

STRAIGHT, SPIRAL & TRIM BITS

USE IN







Hand Router

CNC

APPLICATION

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



BLACK I.C.E.TM ROUTER BITS THE SLICKEST TECHNOLOGY IN SOLID CARBIDE ROUTER BITS



SLACK ICE COAITING

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



77-610

STRAIGHT, SPIRAL & TRIM BITS



Shank Dia.

Hand Router

APPLICATION

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

MATERIALS





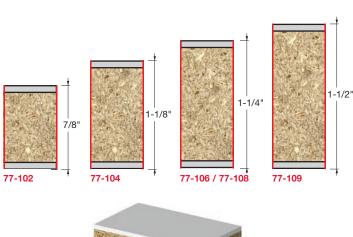


STRAIGHT, SPIRAL



Premier Solid Carbide 1-Flute Compression Bit







USE IN

& TRIM BITS

501.10

Table Router

Hand Router **APPLICATION**

CNC

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





STRAIGHT, SPIRAL & TRIM BITS



Premier Solid Carbide 2-Flute Compression Bit

USE IN





501.10



CNC **Hand Router**

APPLICATION

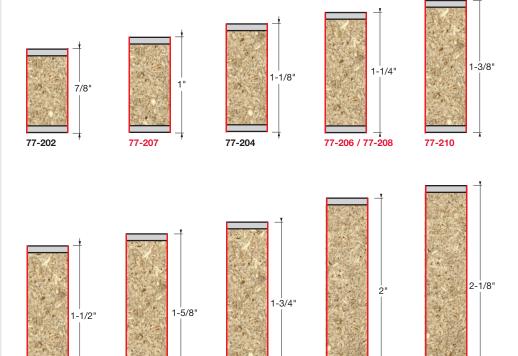
Fine finish, chip-free routing through combination of up and down shear flutes on both sides of double-sided veneers or laminated materials.







0 4	ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH	UPCUT LENGTH
1	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"
1	77-206*	3/8"	1-1/4"	1/2"	3"	11/32"
	77-207	1/2"	1"	1/2"	3"	1/2"
7	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





reud.

USE IN

SOLID

Table Router





Hand Router

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



Premier Solid Carbide 4-Flute Compression Bit

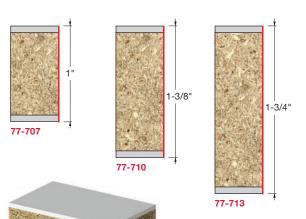
1-3/4"

77-313

STRAIGHT, SPIRAL & TRIM BITS

USE IN

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"





Overall Dia

SOLID

Hand Router

APPLICATION

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

Table Router

CNC







STRAIGHT, SPIRAL & TRIM BITS

501.10



Premier Solid Carbide Mortise Compression Spiral Bits

USE IN





CNC **Hand Router**

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



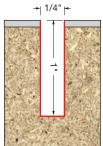
OSB

Plywood

Melamine

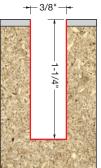


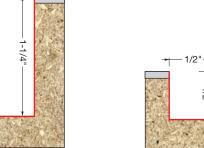
ITEM NUMBER	OVERALL DIA.	CUTTING LENGTH	NUMBER OF FLUTES	SHANK DIA.	OVERALL LENGTH	UPCUT LENGTH		
Single Flute								
77-404	3/8"	1"	1	3/8"	3"	13/64"		
77-408	1/2"	7/8"	1	1/2"	3"	15/64"		
77-410	1/2"	1-3/8"	1	1/2"	3-1/2"	15/64"		
	Douk	ole Flute (ext	ra clean cuts a	at faster feed	rates)			
77-504	3/8"	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"		
		Qı	uadruple Flu	te				
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"		

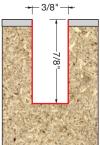


77-602

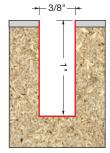
77-605



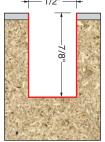




77-603



77-404 / 77-504 / 77-604



77-408

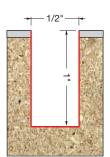


77-508

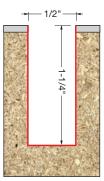
Premier Solid Carbide Mortise Compression Spiral Bits

STRAIGHT, SPIRAL & TRIM BITS

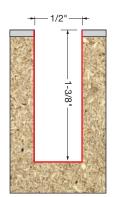
CONTINUED



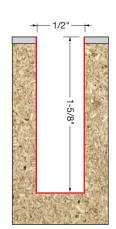
77-608 / 77-807



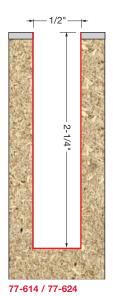
77-509



77-410 / 77-510 / 77-620



77-610 / 77-622 / 77-822



SOLID 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.



Plywood Melamine

STRAIGHT, SPIRAL & TRIM BITS



Solid Carbide Flush Trim Bits

USE IN



Hand Router

SOLID OVERALL **SHANK** OVERALL **ITEM CARBIDE NUMBER** DIA. **HEIGHT** DIA. 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"

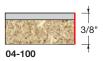
APPLICATION

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









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.





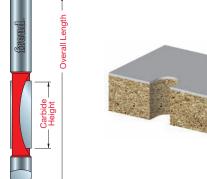
Hardwood Softwood





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"			











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"







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



Hardwood Softwood Plywood



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





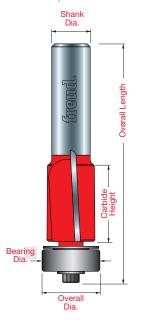


Downshear Helix Flush Trim Bits

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



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.





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.



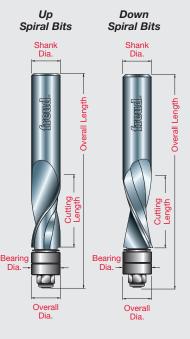
TICOTM CARBIDE BLEND delivers extremely long life in wood or abrasive materials.

MATERIALS



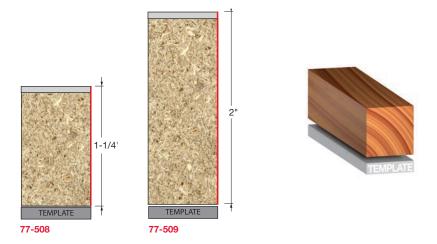


Veneer



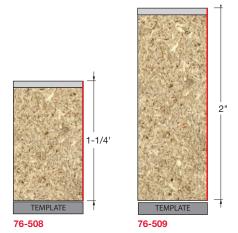
Upcut Spiral Bits

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"



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"



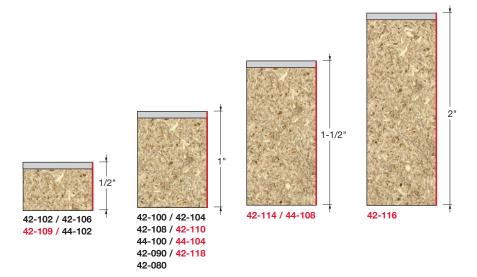


Bearing Flush Trim Bits



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"								
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 Flu	te				
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"		







USE IN



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.







STRAIGHT, SPIRAL & TRIM BITS



Top Bearing Flush Trim Bits

USE IN



Table Router Hand Router

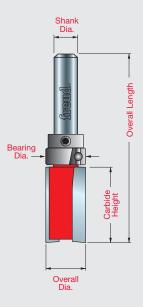
APPLICATION

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.

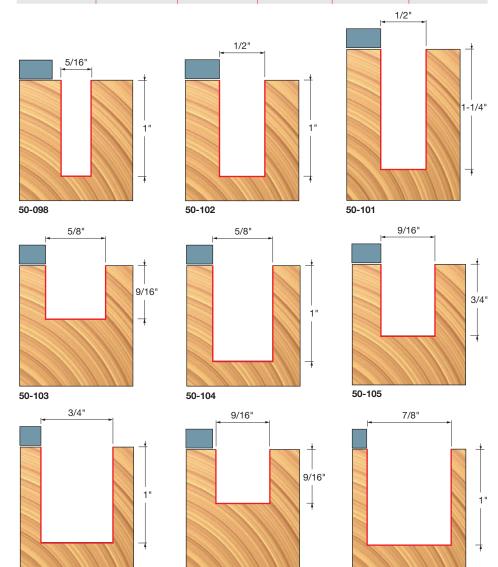
MATERIALS







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"





50-107

50-106 / 50-116

* This bit has an

oversized bearing to work for various jigs.

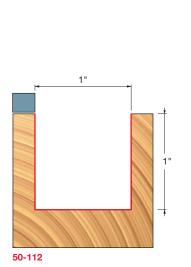
50-110

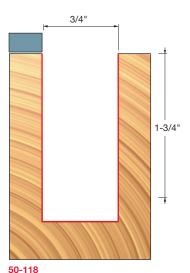
Top Bearing Flush Trim Bits

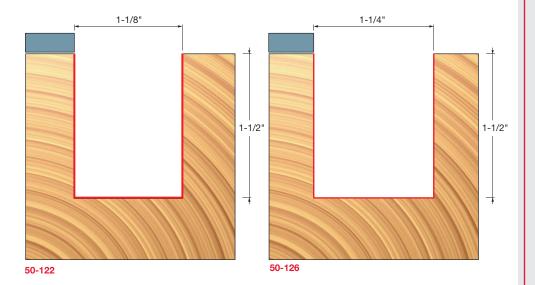


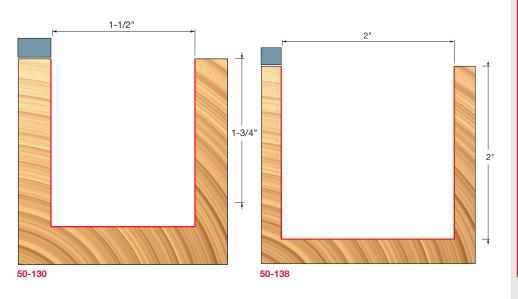
STRAIGHT, SPIRAL & TRIM BITS

CONTINUED from page 103









USE IN



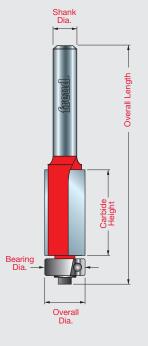
Table Router Hand Router

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.









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



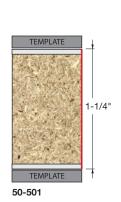


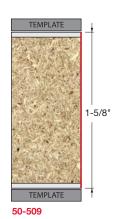
Laminate



OVERALL BEARING **OVERALL ITEM CARBIDE SHANK NUMBER HEIGHT** DIA. LENGTH DIA. DIA. 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"







STRAIGHT, SPIRAL

& TRIM BITS

USE IN



APPLICATION

Cutting bevels in plastic laminates for a clean, finished edge

MATERIALS



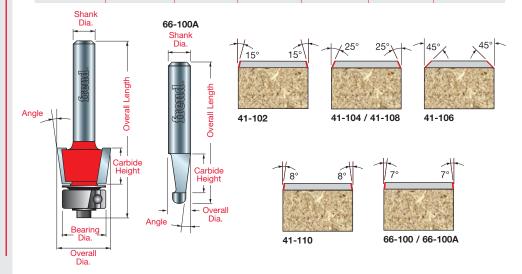




Plywood

Bevel Trim Bits

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"
	Bull	R Pack (100 F	Pieces of #66-1	100)		
66-100A*	1/4"	3/16"	1/4"	7°	1/4"	1-1/2"

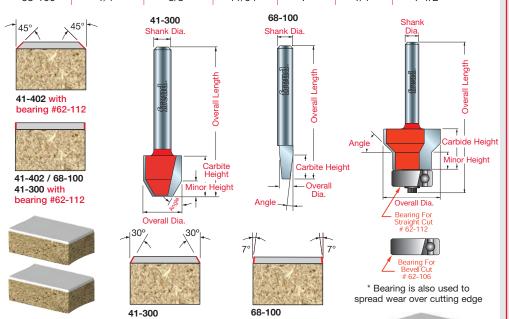


Flush & Bevel Trim Bits



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

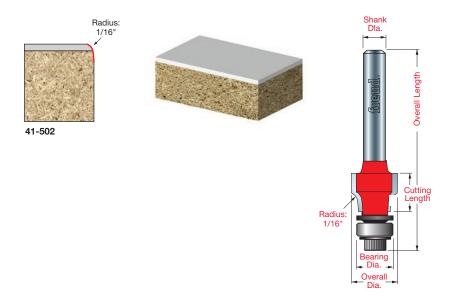


All Plastic Laminates

Radius Laminate Trim Bit



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



STRAIGHT, SPIRAL & TRIM BITS

USE IN



Table Houter Hallu Hou

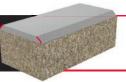
APPLICATION

Routs 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.



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

STRAIGHT, SPIRAL & TRIM BITS



CG01MBA3

Dia. Overall Dia.

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							

12mm (length) x 12mm (height) x 1.5mm (thick)

Shank Dia.

REPLACEMENT
CUTTER

43-204

43-208

1.5mm

1.5mm

43-212

43-216

STRAIGHT, SPIRAL & TRIM BITS

Laminate Miter Joint Bits

USE IN



Table Router Hand Router

APPLICATION

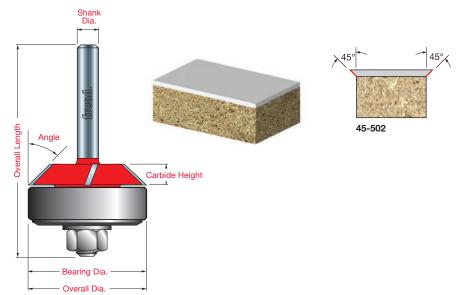
Cut plastic laminates quickly and cleanly and help eliminate the dark line often seen on the edge of counter tops by producing 45° miter joints

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"



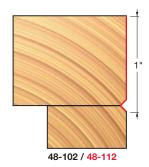
4 Cutting Edges

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"



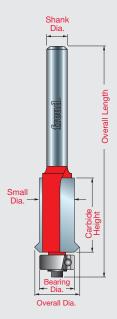
USE IN



APPLICATION

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





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

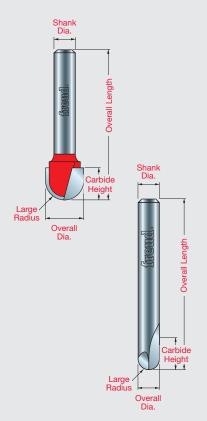
Softwood



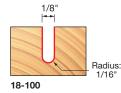


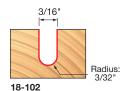
MDF

Plywood

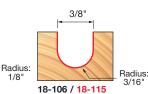




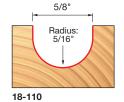






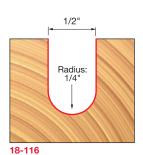


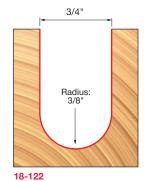
1/2" Radius: 1/4" 18-108



3/4" Radius: 18-112

Radius: 1/2





* Solid Carbide

18-113

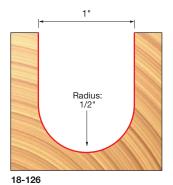
Red Item Numbers Indicate 1/2" Shank

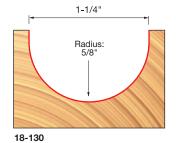
Round Nose Bits

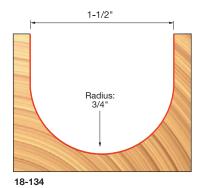


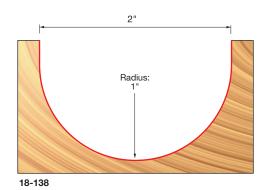
EDGE TREATMENT & GROOVING BITS

CONTINUED

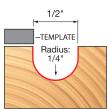


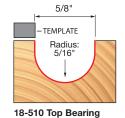


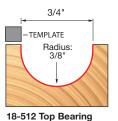




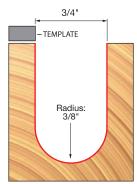
Top Bearing Round Nose Bits







18-508 Top Bearing



18-522 Top Bearing

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

USE IN







Hand Router

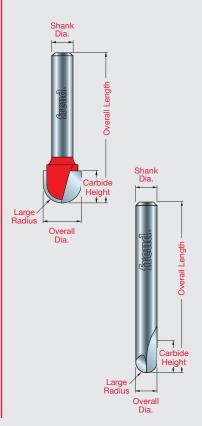
CNC

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.



Plywood





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.

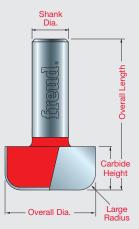




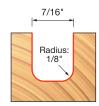
Softwood

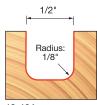
MDF

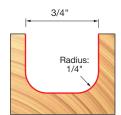
Plywood



	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"
	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"



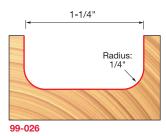


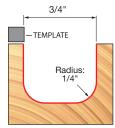


19-102

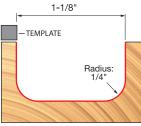
19-104

19-126





19-506 Top Bearing 19-576 Top Bearing



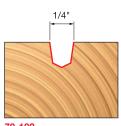
19-578 Top Bearing

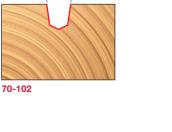
"V" Veining Bit



EDGE TREATMENT & GROOVING BITS

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







USE IN







Hand Router

CNC

APPLICATION

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

MATERIALS





MDF

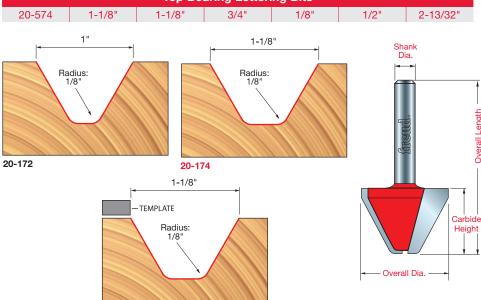
Plywood

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"		



USE IN



Hand Router

Overall Length

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



MDF

Plywood

20-574 Top Bearing

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

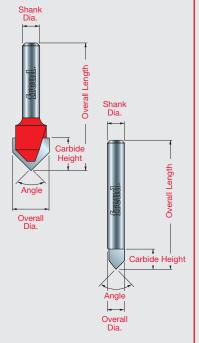




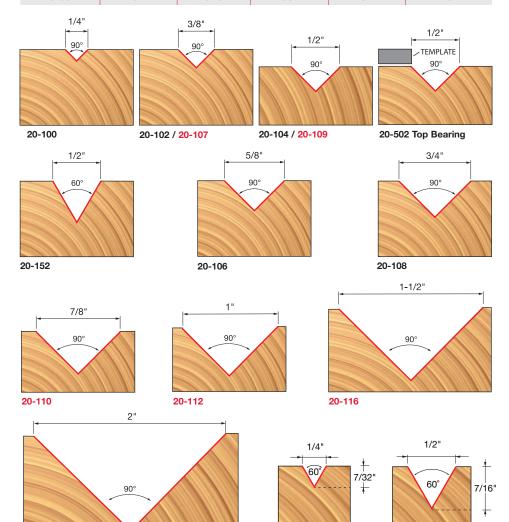


MDF

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 Be	aring Bits		
20-502	1/2"	7/16"	90°	1/4"	2-1/4"





20-120

20-154

Ogee Groove Bits

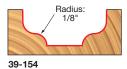


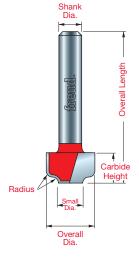
EDGE TREATMENT & GROOVING BITS

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"









USE IN







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



Cove & Bead Groove Bits

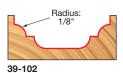


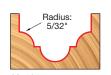
EDGE TREATMENT & GROOVING BITS

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

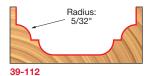


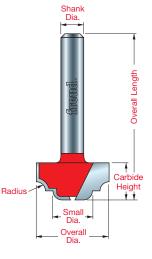
39-100





39-101





USE IN







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.





Plywood freud_{® 127}

EDGE TREATMENT & GROOVING BITS



Classical Beading Groove Bits

USE IN







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



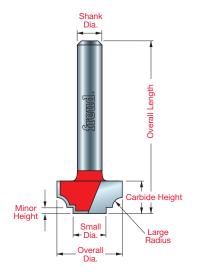


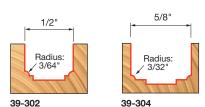




Plywood

OVERALL ITEM **SMALL** CARBIDE **MINOR SHANK OVERALL RADIUS HEIGHT HEIGHT LENGTH** NUMBER DIA. DIA DIA 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" 1/8" 1/4" 5/64" 1-23/32





7/8" Radius: 1/8" 39-306

RADIUS

1/8"

3/16"

1/4"

1/4"

3/8"

1/2"

1/4"

3/8"

1/2"

5/8"

3/4"

7/8"

1/4"

1"

SHANK

DIA.

1/4"

1/4"

1/4"

1/4"

1/4"

1/4"

1/2"

1/2"

1/2"

1/2"

1/2"

1/2"

1/2"

1/2"

OVERALL

LENGTH

1-3/4"

1-3/4"

2"

1-3/4"

1-13/16"

2"

2"

2-1/16"

2-1/4"

2-3/8"

2-1/2"

2-5/8"

2-23/32"

2-13/16"

EDGE TREATMENT & GROOVING BITS

ITEM

NUMBER

39-202

39-204

39-205

39-206

39-208

39-210 39-226

39-228 39-230

39-232

39-234

39-236

39-252

39-238

Ovolo Bits

BEARING

DIA.

1/4"

1/2"

1/4"

1/2"

1/2"

1/2"

1/2"

1/2"

1/2"

1/2"

1/2"

1/2"

1/2"

1/2"

CARBIDE

HEIGHT

5/16"

1/2"

5/8"

1/2"

9/16"

3/4"

1/2"

9/16"

3/4"

7/8"

1"

11/8"

1-7/32"

1-5/16"

OVERALL

DIA.

1/2"

7/8"

7/8"

1"

1-1/4"

1-1/2"

1"

1-1/4"

1-1/2"

1-3/4"

2"

2-1/4"

1-1/8"

2-1/2"

USE IN







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.







Plywood

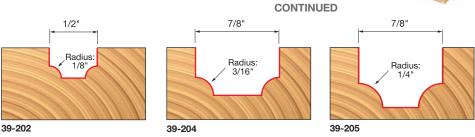
MDF

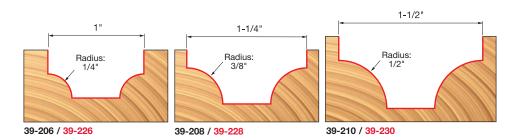
* Solid Carbide

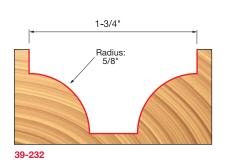
Ovolo Bits

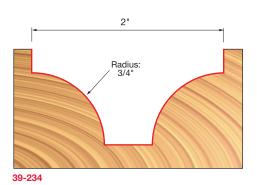


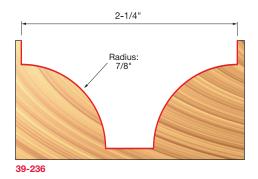
EDGE TREATMENT & GROOVING BITS

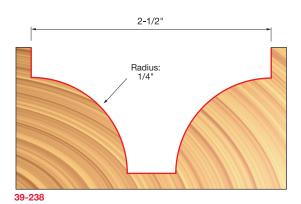


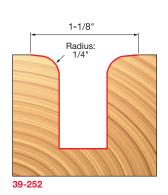












USE IN





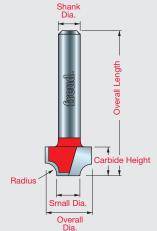
Hand Router

r CNC

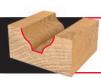
APPLICATION

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





EDGE TREATMENT & GROOVING BITS



Standard Ogee Groove Bits

USE IN



Hand Router

CNC

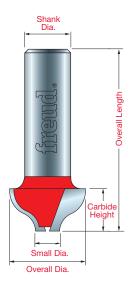
APPLICATION

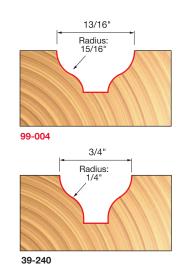
Traditional accents for furniture and moldings. Accents any project with a slight, decorative groove and it can produce a decorative edge when used with an edge guide.

MATERIALS









EDGE TREATMENT & GROOVING BITS



ITEM

NUMBER

39-522

39-524

1-7/64"

Shank Dia.

15/32"

9/16"

Top Bearing Fillet Ogee Groove Bits

5/32"

Table Router

Hand Router

USE IN

CNC

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

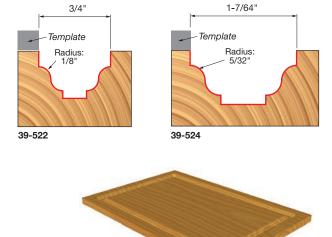


130 freud

* Solid Carbide

Example of Cabinet Door Small Height

SHANK **SMALL OVERALL OVERALL CARBIDE MINOR RADIUS** DIA. **HEIGHT HEIGHT** DIA. **LENGTH** DIA. 3/4" 1/4" 1/2" 5/32" 1/8" 1/4" 2-3/16"



5/32"

3/8"

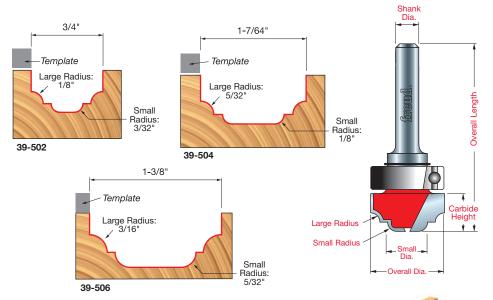
2-1/4"

Top Bearing Classical Cove & Bead Groove Bits



EDGE TREATMENT & GROOVING BITS





USE IN



Hand Router

CNC

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.

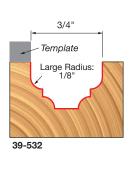
MATERIALS

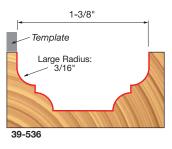


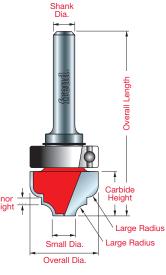
Top Bearing Cove & Bead Groove Bit



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"







EDGE TREATMENT & GROOVING BITS

USE IN



CNC

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.





EDGE TREATMENT & GROOVING BITS

Radius "V" Grooving Bits

3/8"

USE IN







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.

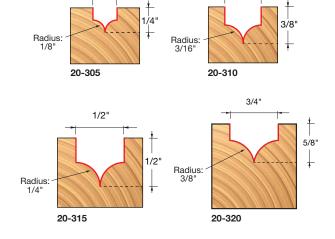
MATERIALS





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"



EDGE TREATMENT & GROOVING BITS



Engraving "V" Grooving Bits

USE IN



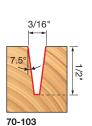
APPLICATION

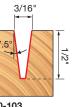
CNC Carving, Engraving, Signmaking & Veining

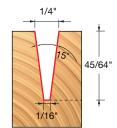
MATERIALS



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"







70-112

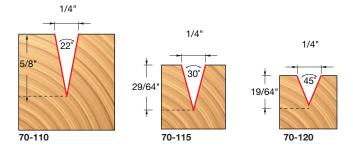
Plastic Aluminum

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"



USE IN







Hand Router

CNC

APPLICATION

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

MATERIALS



MDF

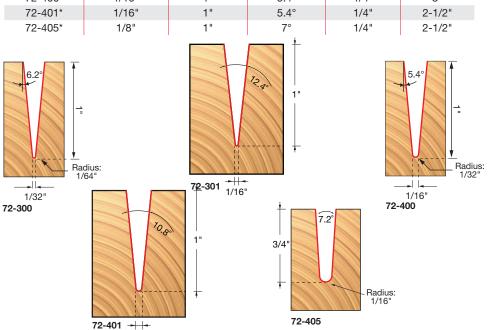
Plywood

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"



USE IN



APPLICATION

CNC Carving, Engraving, Signmaking & Veining

MATERIALS







1/8"

OUTER BITS

EDGE TREATMENT& GROOVING BITS



T-Slotting Cutter Bits

USE IN







CNC

APPLICATION

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

MATERIALS

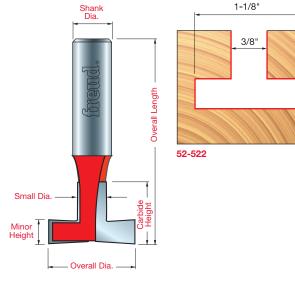


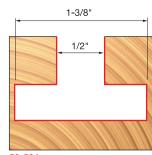




Plywood

SMALL ITEM **OVERALL CARBIDE MINOR SHANK OVERALL NUMBER** DIA. DIA. **HEIGHT HEIGHT** DIA. **LENGTH** 13/16" 52-522 1-1/8" 3/8" 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"





70-204

EDGE TREATMENT & GROOVING BITS

USE IN







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.

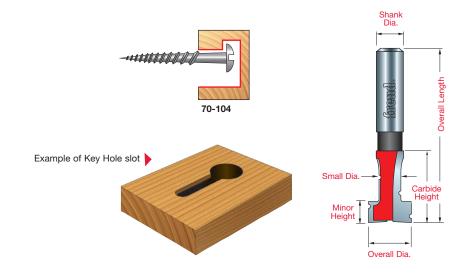
MATERIALS



134 freud®

Key Hole Bit

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

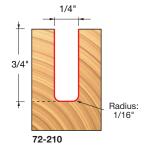


Radius Tip Up Cut Spiral Bit



EDGE TREATMENT & GROOVING BITS

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



USE IN







Hand Router

CNC

APPLICATION

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

MATERIALS









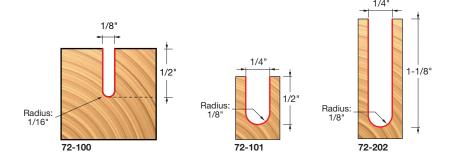
MDF

Plywood

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"



EDGE TREATMENT & GROOVING BITS

USE IN







Hand Router

CNC

APPLICATION

CNC carving, engraving, signmaking & grooving or edge work











Plastic Aluminum



EDGE TREATMENT& GROOVING BITS



Cove Bits

USE IN



Table Router Hand Router

APPLICATION

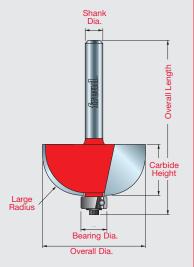
Smooth, decorative edging and inverted radii. Create smooth, classic cove profiles with Freud cove bits, which have a shear angle that slices wood similar to the way a craftsman uses a hand plane.





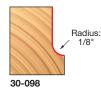


Plywood Laminate



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"



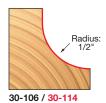


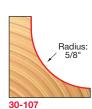


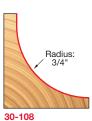










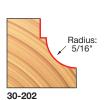


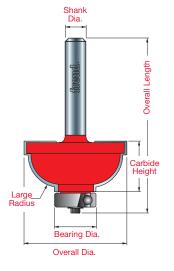
Cove & Fillet Bits



EDGE TREATMENT & GROOVING BITS

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





USE IN







Hand Router

CNC

APPLICATION

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

MATERIALS





MDF



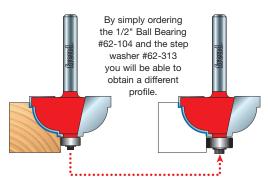
Plywood

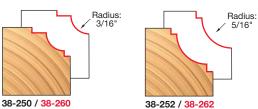
Classical Cove Bits

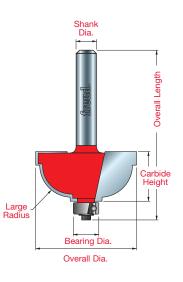


EDGE TREATMENT & GROOVING BITS

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







Hand Router

CNC

APPLICATION

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





MDF

Plywood

EDGE TREATMENT & GROOVING BITS



Convex Edge Bit

USE IN







Hand Router

CNC

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

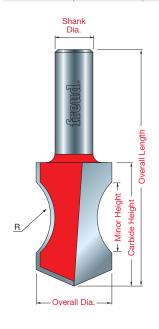


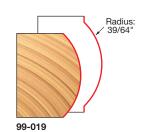


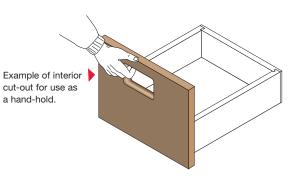


Plywood

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







EDGE TREATMENT & GROOVING BITS

USE IN





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

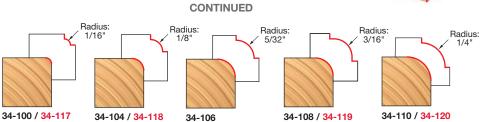


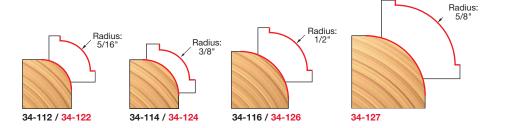
,	ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
	34-100	5/8"	1/2"	1/2"	1/16"	1/4"	2-3/16"
1	34-104	3/4"	1/2"	1/2"	1/8"	1/4"	2-3/16"
	34-106	13/16"	1/2"	1/2"	5/32"	1/4"	2-3/16"
	34-108	7/8"	1/2"	1/2"	3/16"	1/4"	2-3/16"
1	34-110	1-1/8"	5/8"	1/2"	1/4"	1/4"	2-3/16"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

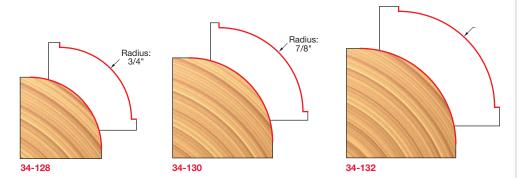
Rounding Over Bits

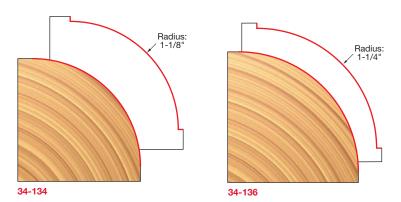


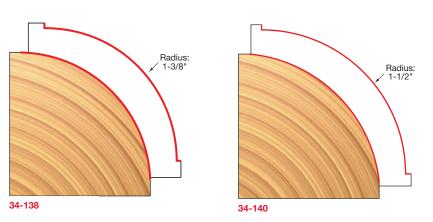
EDGE TREATMENT & GROOVING BITS











* Solid Carbide Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

USE IN



Table Router





Hand Router

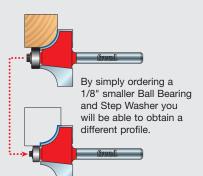
CNC

APPLICATION

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



Shank Carbide Height Bearing Dia Overall Dia.





EDGE TREATMENT & GROOVING BITS



Rounding Over Bits with Steel Pilots

USE IN







Hand Router

CNC

APPLICATION

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

MATERIALS

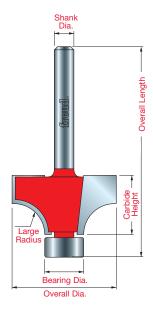


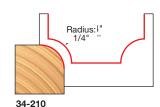


Veneer









ROUNDING

OVER BIT ITEM #

34-116

SHANK

DIA.

1/4"

EDGE TREATMENT & GROOVING BITS



SET ITEM

NUMBER

33-106

Drop-Leaf Table Bit Set

COVE BIT

ITEM #

30-106

TABLE TOP

THICKNESS

3/4"

USE IN



APPLICATION

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

MATERIALS



33-116	3/4"	30-114	34-126	1/2"
Roun. Over	ding Radius:			
	34-116 / 34-126			
		Example of Drop-L	Leaf with Hinge	
Cove	Radius: 5/16"			
	30-106 / 30-114			

30-106 / 30-114

Beading Bits



EDGE TREATMENT & GROOVING BITS

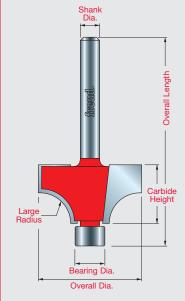


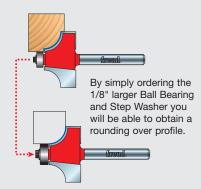
APPLICATION

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

MATERIALS

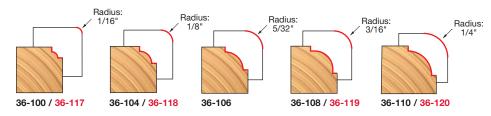


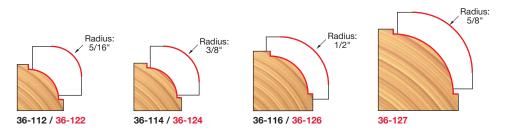


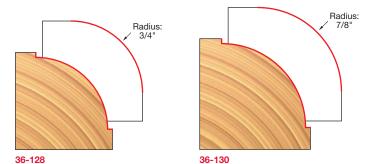




ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
36-100	5/8"	3/8"	1/2"	1/16"	1/4"	2-3/16"
36-104	3/4"	3/8"	1/2"	1/8"	1/4"	2-3/16"
36-106	13/16"	3/8"	1/2"	5/32"	1/4"	2-3/16"
36-108	7/8"	3/8"	1/2"	3/16"	1/4"	2-3/16"
% 36-110	1-1/8"	1/2"	1/2"	1/4"	1/4"	2-3/16"
% 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"







r Quadra-Cut Design Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

EDGE TREATMENT & GROOVING BITS



36-136

Beading Bits

USE IN



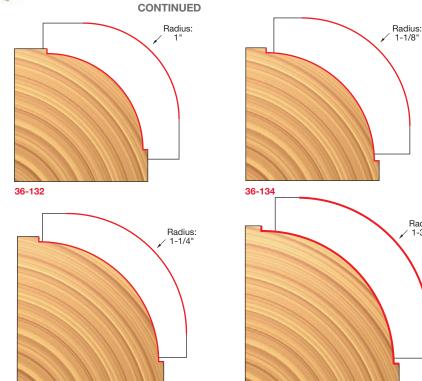
Table Router Hand Router

APPLICATION

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

MATERIALS





36-138

EDGE TREATMENT & GROOVING BITS

Variable Corner Round Bit

USE IN

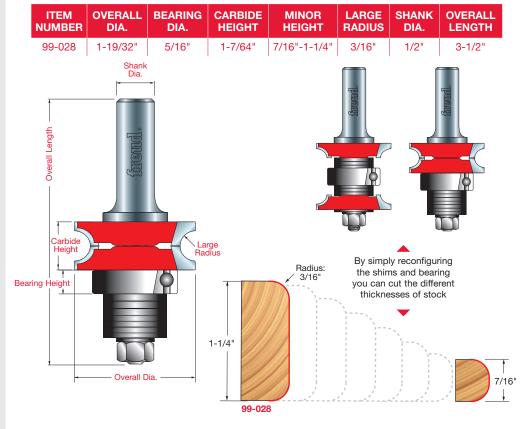


APPLICATION

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

MATERIALS





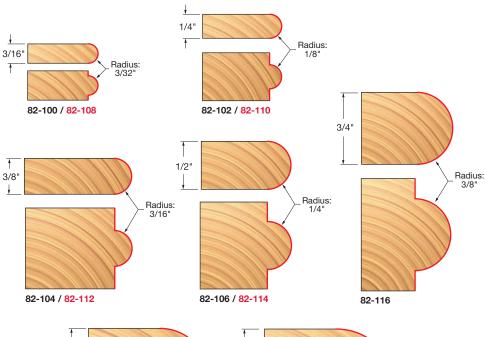
1-3/8"

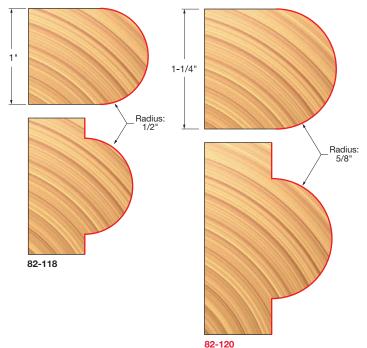
Half Round Bits



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"





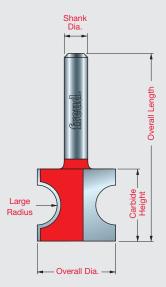
USE IN



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.







EDGE TREATMENT & GROOVING BITS



Half Round Bits with Bearings

USE IN

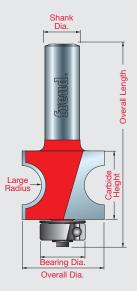


Table Router Hand Router

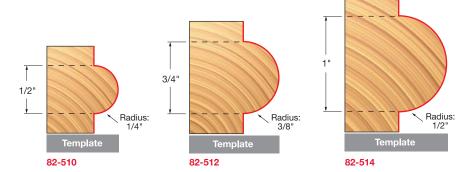
APPLICATION

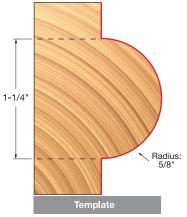
Produce a fully rounded edge on dimensional lumber or an attractive half round profile on furniture and moldings. Comes with ball bearing guide for template work.





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"





82-515

Decorative Edge Bits

SMALL

RADIUS

LARGE

RADIUS

5/32"

1/4"

5/32"

1/4"

3/16"

1/4"

21/64"

5/32"

3/16"

1/4"

5/32"

1/4"

1/8"

3/16"

1/8"

11/64"

1/8"

1/4"

1/8"

1/4"

13/64"

1/4"

1/4"

3/16"

1/4"

3/16"

1/4"

5/32"

5/32"

1/4"

1/4"

5/32"

5/32"

Classical Cove & Bead Bits

Classical Bold Cove & Round Bits

Classical Bold Cove & Bead Bits

Classical Cove & Round Bits

_

5/32"

5/32"

3/16"

3/16"

Classical Roman Ogee Bits

Double Fillet Ogee Bit

Cove & Bead Bits

Ogee Fillet Bits

Ogee Bits

Roman Ogee Bits

OVERALL BEARING

DIA

1/2"

3/8"

5/8"

5/8"

1/2"

1/2"

5/8"

3/4"

3/8"

3/8"

5/8"

1/2"

1/2"

3/4"

3/8"

5/8"

3/8"

3/8"

5/8"

1/2"

5/8"

5/8"

5/8"

1/2"

1/2"

3/8"

3/8"

1/2"

3/4"

1/2"

3/4"

3/8"

5/8"

DIA.

1-3/16"

1-3/8"

1-5/16"

1-5/8"

1-1/4"

1-1/2"

1-5/8"

1-3/8"

1-1/4"

1-1/2"

1-3/8"

1-5/8"

1-1/4"

1-5/8"

1-1/4"

1-5/8"

1-5/32"

1-9/16"

1-13/32"

1-11/16"

1-5/8"

1-5/8"

1-3/8"

1-1/4"

1-1/2"

1-1/4"

1-1/2"

1-1/8"

1-3/8"

1-3/8"

1-5/8"

1-1/8"

1-3/8"

CARBIDE

HEIGHT

1/2"

23/32"

1/2"

23/32"

1/2"

5/8"

21/32"

1/2"

1/2"

5/8"

1/2"

3/4"

19/32"

9/16"

19/32"

9/16"

5/8"

23/32"

5/8"

23/32"

9/16"

5/8"

5/8"

7/16"

11/16"

7/16"

11/16"

1/2"

1/2"

3/4"

11/16"

1/2"

1/2"

ITEM

NUMBER

38-100

🌞 38-102

№38-104

38-106

38-152

38-154

99-006

№38-172

38-202

38-204

№38-222

38-224

38-402

99-005

38-452

99-003

38-302

38-304

38-312

38-314

99-009

%38-352

38-362

38-502

38-504

38-522

38-524

38-602

38-613

№38-612

38-614

38-632

38-622



OVERALL

LENGTH

2-3/16"

2-3/8"

2-3/8"

2-9/16"

2-1/8"

2-3/16"

2-1/2"

2-1/4"

2-1/8"

2-3/16"

2-1/4"

2-1/2"

2-3/16"

2-7/16"

2-3/16"

2-5/16"

2-3/16"

2-5/16"

2-9/16"

2-3/4"

2-3/8"

2-5/16"

2-1/2"

2-1/16"

2-1/2"

2-1/16"

2-5/16"

2-5/16"

2-9/16"

2-1/4"

2-3/4"

2-5/16"

2-9/16"

MINOR SHANK

DIA.

1/4"

1/4"

1/2"

1/2"

1/4"

1/4"

1/2"

1/2"

1/4"

1/4"

1/2"

1/2"

1/4"

1/2"

1/4"

1/2"

1/4"

1/4"

1/2"

1/2"

1/2"

1/4"

1/2"

1/4"

1/4"

1/4"

1/4"

1/4"

1/2"

1/4"

1/2"

1/4"

1/2"

15/64"

7/32"

7/32"

7/32"

7/32"

7/32"

7/32"

_

5/64"

5/64"

5/64"

5/64"

5/64"

5/64"

HEIGHT

EDGE TREATMENT& GROOVING BITS



Table Router Hand Router

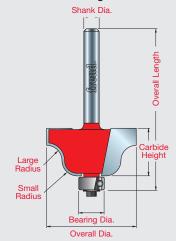
APPLICATION

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

MATERIALS



Roman Ogee Bit



Shank Dia. Shank Dia. Large Radius Small Radius Bearing Dia.

Overall Dia.

🦊 Quadra	a-Cut D	esigr

EDGE TREATMENT & GROOVING BITS



Decorative Edge Bits

USE IN



APPLICATION

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

MATERIALS

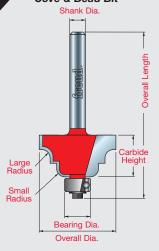






Plywood Laminate

Cove & Bead Bit

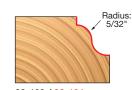


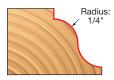
Classical Cove & Round Bits



Roman Ogree Bits

CONTINUED

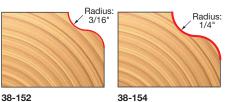


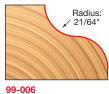


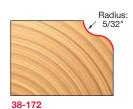
38-100 / <mark>38-104</mark>

38-102 / 38-106

Ogree Bits





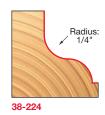


Ogree Fillet Bits

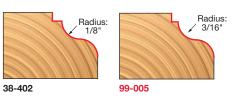


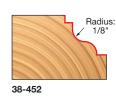


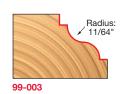




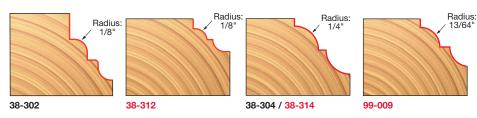
Classical Roman Ogree Bits



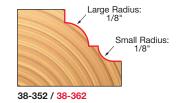




Cove & Bead Bits

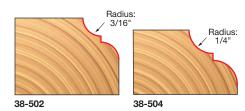


Classical Cove & Bead Bits



Classical Bold Cove & Round Bits

Double Fillet Ogree Bits





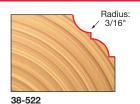
Decorative Edge Bits

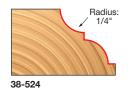


EDGE TREATMENT& GROOVING BITS

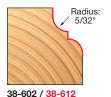
CONTINUED



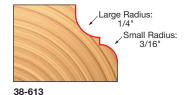




Classical Cove & Round Bits



38-614



Large Radius: 1/4" Small Radius: 3/16"



38-622 / <mark>38-632</mark>

USE IN



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APPLICATION

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

MATERIALS





MDF

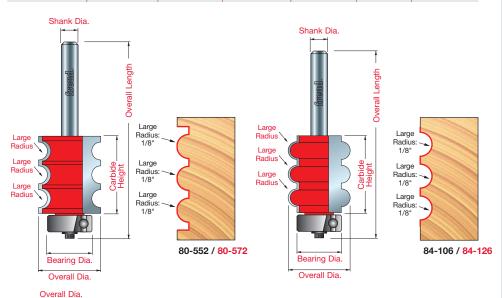
Plywood

Triple Beading & Fluting Bits

3

EDGE TREATMENT& GROOVING BITS

ITEM **OVERALL BEARING CARBIDE** LARGE **SHANK OVERALL** DIA. **NUMBER** DIA DIA **HEIGHT RADIUS 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"



USE IN







Hand Router

CNC

APPLICATION

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







MDF

freud 147

EDGE TREATMENT & GROOVING BITS



ITEM NUMBER

99-008

Bold Classical Bits

LARGE

RADIUS

13/32"

CARBIDE

HEIGHT

1-1/8"

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









MDF

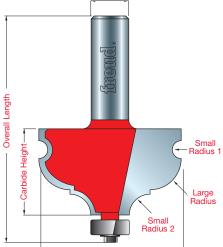
Plywood

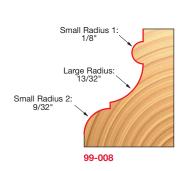


OVERALL

DIA.

1-3/4"





SMALL

RADIUS 2

SHANK

DIA.

1/21

OVERALL

LENGTH

SMALL

RADIUS 1

9/32"

EDGE TREATMENT & GROOVING 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





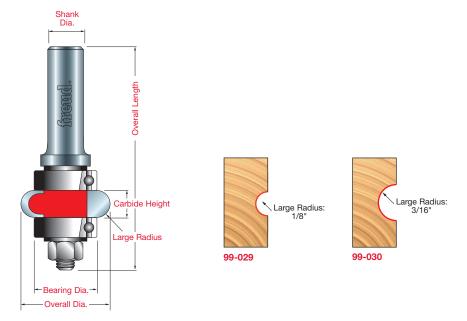
MDF

Plywood

Flute Bits

Overall Dia.

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"



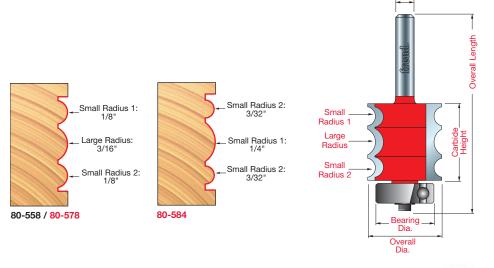
Triple Beading Bits



Shank Dia.

EDGE TREATMENT & GROOVING BITS

ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	SMALL RADIUS 1	SMALL RADIUS 2		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"



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



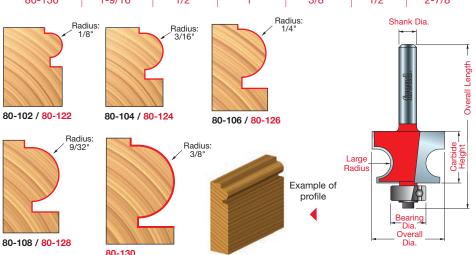
Traditional Beading Bits



EDGE TREATMENT& GROOVING BITS

USE IN

ITEM **OVERALL BEARING CARBIDE LARGE SHANK OVERALL** DIA. **NUMBER** DIA DIA. **HEIGHT RADIUS 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" 1/4" 80-106 1-1/8" 1/2" 7/8" 1/4" 2-3/8" 9/32" 80-108 1-3/8" 1/2" 3/4" 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" 3/8" 1/2" 2-7/8"



Coui

APPLICATION

MATERIALS

Table Router Hand Router

Forms a single bead with a

square shoulder. Commonly

used by remodelers to match

base moldings in historic homes.

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





* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

EDGE TREATMENT & GROOVING BITS



Corner Beading Bits

USE IN



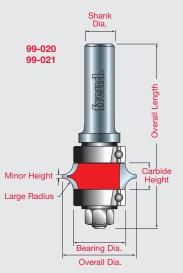
Table Router Hand Router

APPLICATION

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

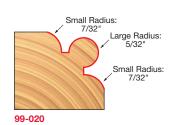


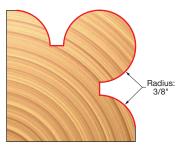
Plywood Laminate



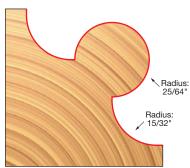




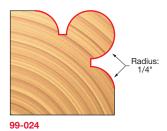




99-021 / 99-023



99-022



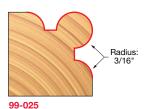




Table Top Edge Classical Bit



Shank Dia.

EDGE TREATMENT & GROOVING BITS

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



APPLICATION

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

MATERIALS







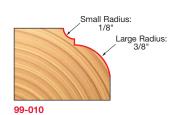
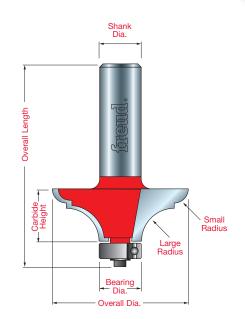


Table Top Edge Classical Bold Bit

Overall Dia.

EDGE TREATMENT GROOVING Quadra-Curiz USE IN

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



APPLICATION

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

Table Router Hand Router

MATERIALS







99-011

Large Radius: 25/64"

Small Radius: 11/64"

EDGE TREATMENT & GROOVING BITS



Chamfer Bits

USE IN



Table Router Hand Router

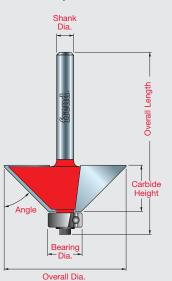
APPLICATION

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.



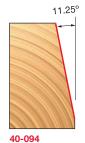


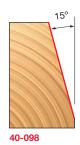
Plywood Laminate











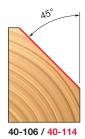


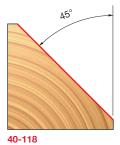










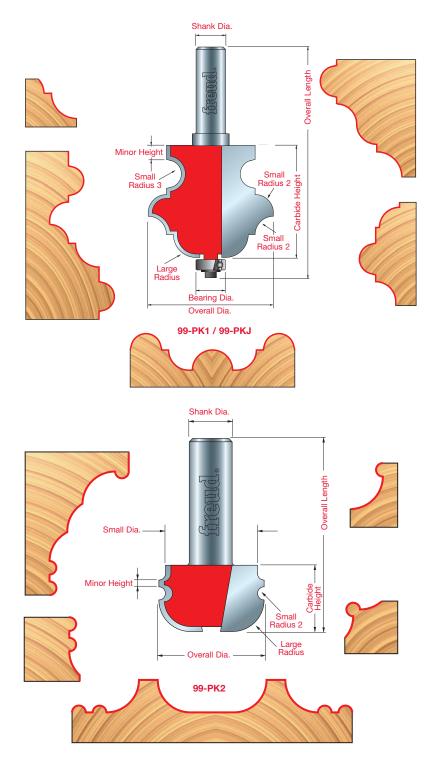


Multi Profile Bits



EDGE TREATMENT & GROOVING BITS

ITEM NUMBER	SMALL DIA.	CARBIDE HEIGHT		LARGE RADIUS	SMALL RADIUS 1	SMALL RADIUS 2	SMALL RADIUS 3		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.





Examples of multi-profiles



EDGE TREATMENT & GROOVING BITS

Multi Profile Bits

USE IN



APPLICATION

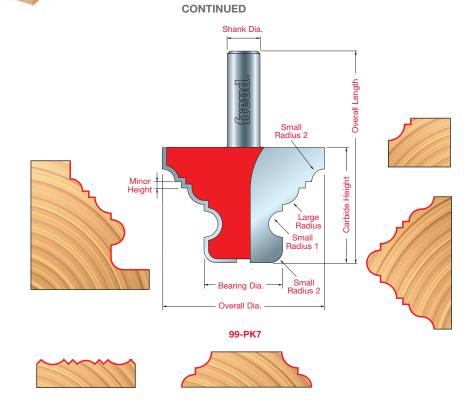
Thick carbide tips and a sturdy 1/2" shank allow you to produce countless molding profiles. Produce an endless number of profile designs by varying the height and fence settings and making multiple passes.

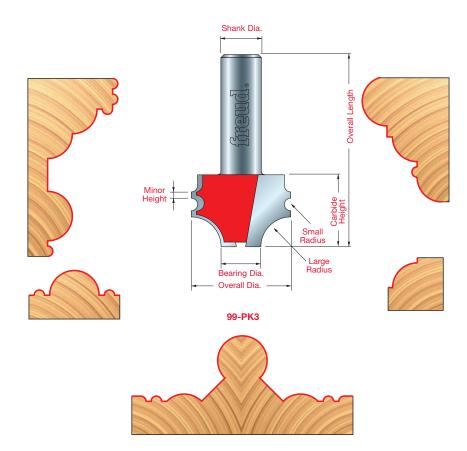




Examples of multi-profiles









Brick Molding Bit

ARCHITECTURAL MILLWORK BITS







USE IN



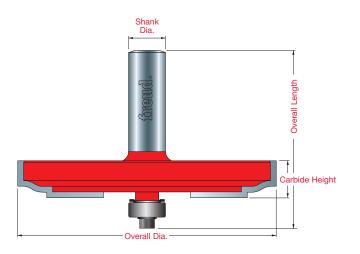
Table Router

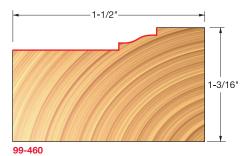
CNC

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.







Standard Brick Molding Profile # 180



ARCHITECTURAL MILLWORK BIT

Casing Bits



USE IN



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



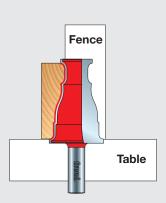


Hardwood

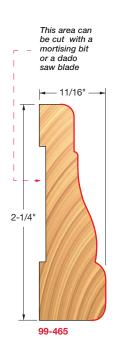
Softwood

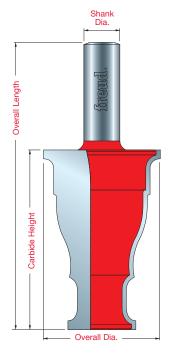


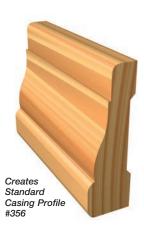
ROUTING TECHNIQUE FOR ALL CASING PROFILES

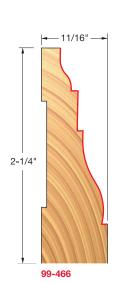


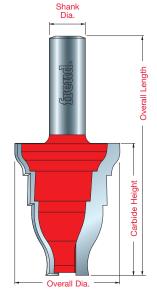
ITEM NUMBER	PROFILE DESIGN	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
99-465	Casing #356	1-5/8"	2-1/2"	1/2"	4"
99-466	Casing #366	1-1/2"	1-13/16"	1/2"	3-9/32"
99-467	Casing #376	1-5/8"	1-15/16"	1/2"	3-7/16"
99-468	Casing #445	1-1/2"	2-7/8"	1/2"	4-3/8"

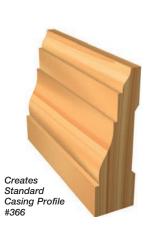








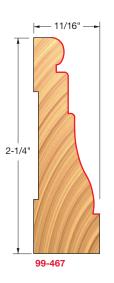


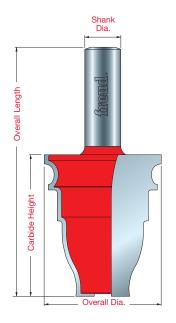


Casing Bits

ARCHITECTURAL MILLWORK BITS

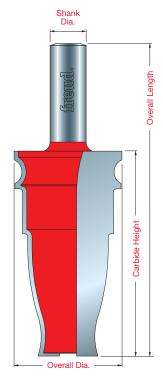
CONTINUED







3-1/4"





Architectural Molding Series

USE IN



Table Router

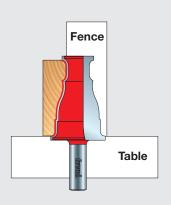
APPLICATION

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



ROUTING TECHNIQUE FOR ALL CASING PROFILES





99-468

ARCHITECTURAL MILLWORK BITS

Chair Rail Bits



USE IN



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

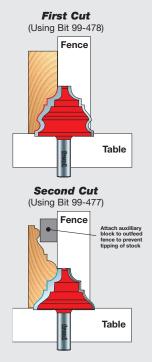




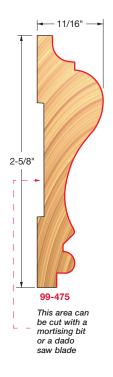
Hardwood Softwood

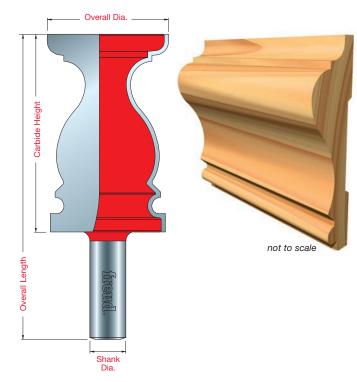


ROUTING TECHNIQUE



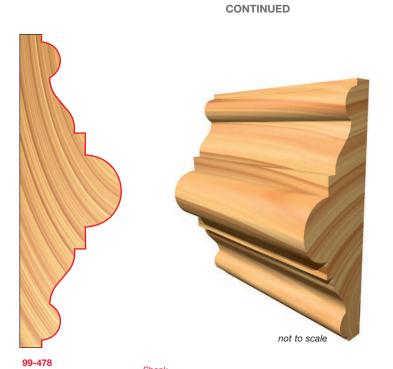


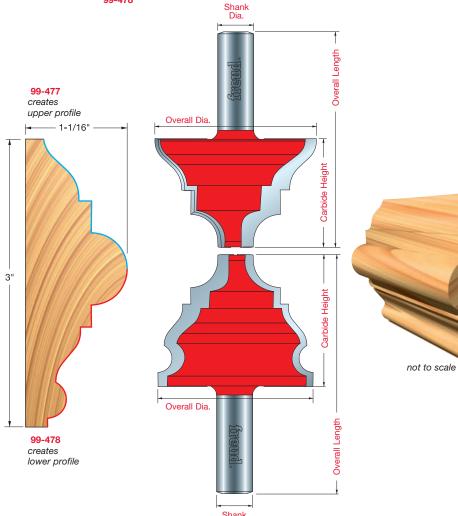






Chair Rail Bits





ARCHITECTURAL MILLWORK BITS



USE IN



Table Router

CNC

APPLICATION

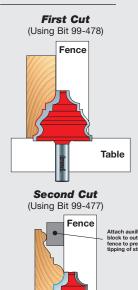
Creates standard decorative chair rail profiles as well as beautiful panel moldings.
Create two very popular chair rail designs. Bits for chair #300 can also be used by themselves for other profiles.

MATERIALS





ROUTING TECHNIQUE





Table

ARCHITECTURAL MILLWORK BITS

Base and Cap Bits



USE IN



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.





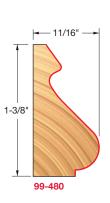
Hardwood

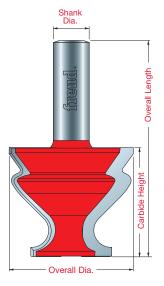
Softwood

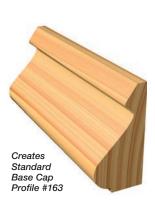


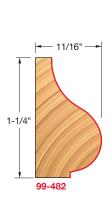
MDF

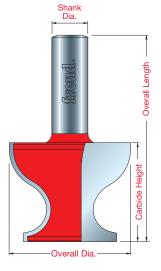
ITEM NUMBER	PROFILE DESIGN	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
99-480	Base Cap #163	1-3/4"	1-1/2"	1/2"	3"
99-482	Base Cap #166	1-11/16"	1-1/2"	1/2"	2-7/8"
99-484	Base Molding*	1-11/16"	15/32"	1/2"	2-3/8"

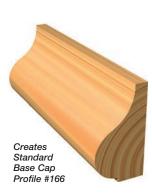












Base and Cap Bits

CONTINUED

ARCHITECTURAL MILLWORK BITS



USE IN



Table Router

CNC

APPLICATION

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

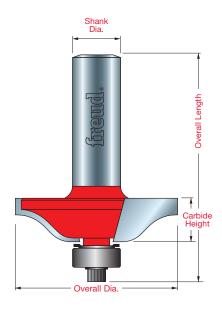


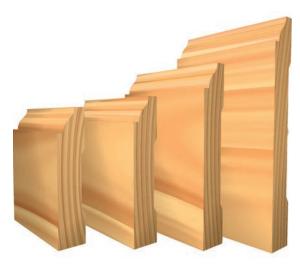


Hardwood Softwood









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

ARCHITECTURAL MILLWORK BITS

Beadboard Bit System



USE IN



APPLICATION

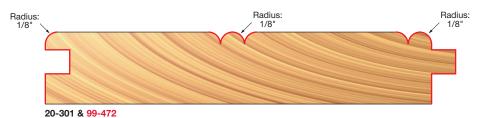
Create beautiful wainscoting, paneling, back panels for bookcases, and much more. Mills traditional beadboard in a variety of thicknesses and widths. Includes two slot cutters to rout either 1/4" or 1/16" tongue & groove joints.

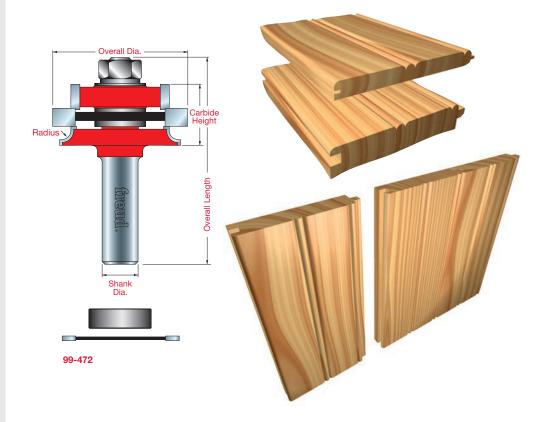


ITEM NUMBER	PROFILE DESIGN	OVERALL DIA.	CARBIDE HEIGHT	RADIUS	SHANK DIA.	OVERALL LENGTH
20-301*	Radius V Groove Bit	1/4"	3/16"	1/8"	1/4"	1-3/4"
99-472	Beadboard Tongue & Groove Bit	1-7/8"	13/16"	1/8"	1/2"	2-7/8"



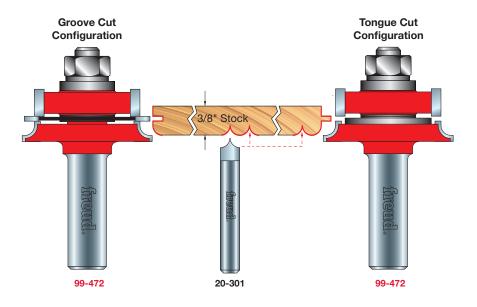
20-301

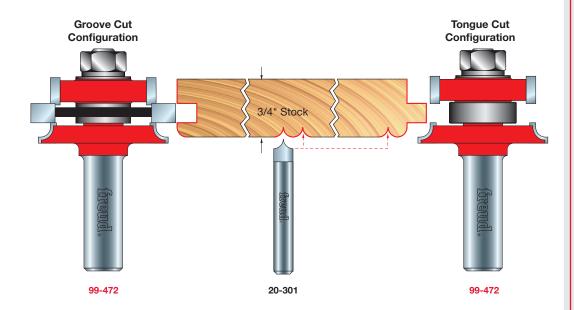




Beadboard Bit System

CONTINUED





ARCHITECTURAL MILLWORK BITS



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.





Hardwood :

Softwood

ARCHITECTURAL MILLWORK BITS

Table Edge & Handrail Bits

USE IN



Quadra-Curiz

Tabla	Router	CNO

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

APPLICATION

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

MATERIALS







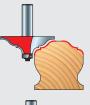
MDF

Plywood





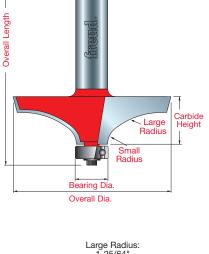
Example of table edge profile



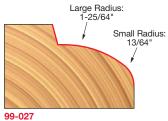


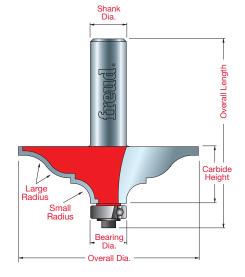
Examples of various handrail profiles

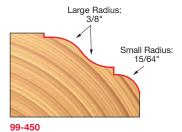


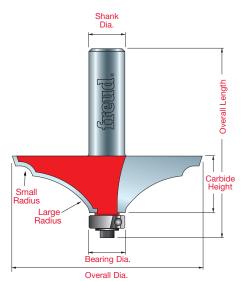


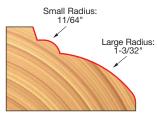
Shank Dia.











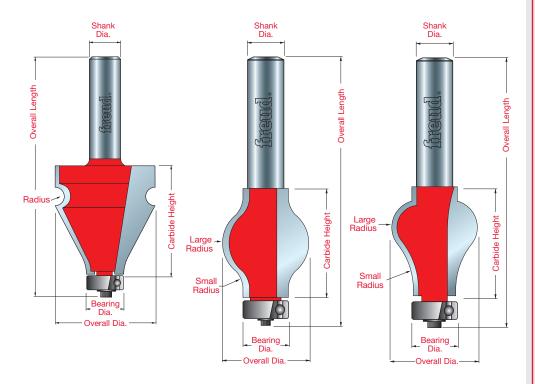
99-452



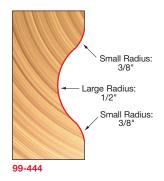
164 freud.

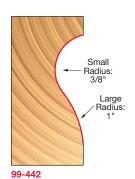
Handrail Bits











ARCHITECTURAL MILLWORK BITS

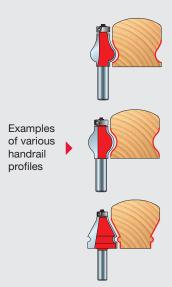
USE IN



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.





ARCHITECTURAL MILLWORK BITS

Face Molding Bits

USE IN



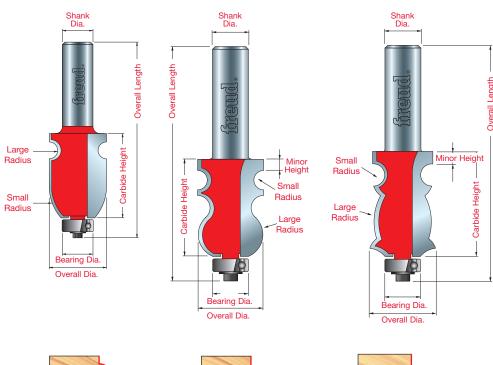
APPLICATION

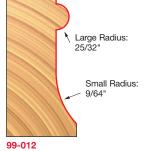
Door casings, trim, baseboards, and pilasters. Add architectural detail to your furniture, cabinets and millwork.

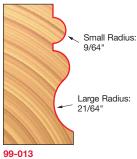
MATERIALS

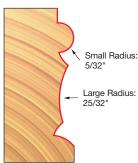


ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SMALL RADIUS	SHANK DIA.	OVERALL LENGTH
99-012	15/16"	1/2"	1-3/8"	3/32"	25/32"	9/64"	1/2"	3-1/4"
99-013	15/16"	1/2"	1-3/8"	5/32"	21/64"	9/64"	1/2"	3-1/4"
99-014	15/16"	1/2"	1-1/2"	11/64"	25/32"	5/32"	1/2"	3-3/8"
99-015	1-1/16"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





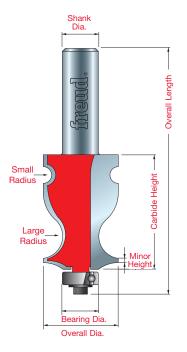


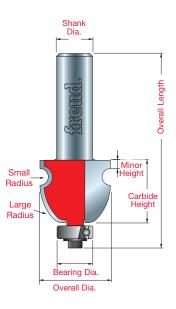


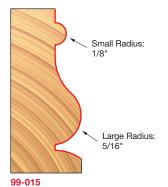
99-014

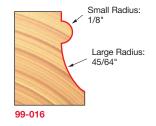
Face Molding Bits

CONTINUED









ARCHITECTURAL MILLWORK BITS

USE IN



APPLICATION

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



ARCHITECTURAL MILLWORK BITS

Reversible Wainscoting Bit

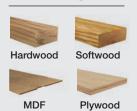
USE IN



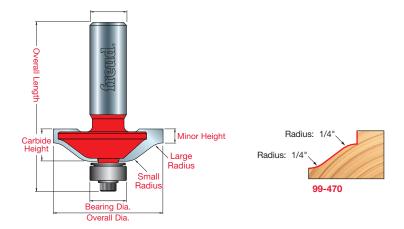
Table Router Hand Router

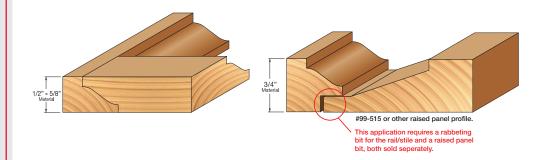
APPLICATION

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 designafter 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.



ITEM NUMBER			CARBIDE HEIGHT					OVERALL LENGTH
99-470	1-1/2"	1/2"	7/16"	1/4"	3/16"	1/2"	2-1/4"	3-1/4"





Wide Crown Molding System

					i e	
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 P	rofiles			
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 Be	vel Cutter			
99-421	_	2-3/8"	1-3/8"	1/2"	2-13/16"	

Freud's Wide Crown Molding 2 Piece Bit Set allows you to create the most popular crown molding profiles! Upper Profile 1 Fransition Line 99-414 99-417 99-417 98-507 2 piece set Molding profile made with Upper Profile bit #1

ARCHITECTURAL MILLWORK BITS

USE IN

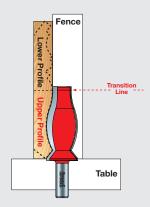


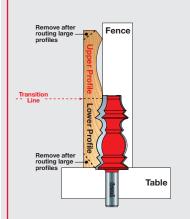
APPLICATION

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









& Lower Profile Bit #2. By combining the Upper and Lower Profile bits, 9 different profile combinations can be achieved.

ARCHITECTURAL MILLWORK BITS

Wide Crown Molding System

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.

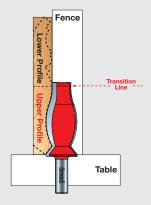
MATERIALS

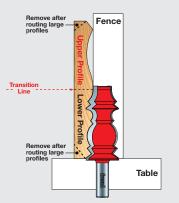




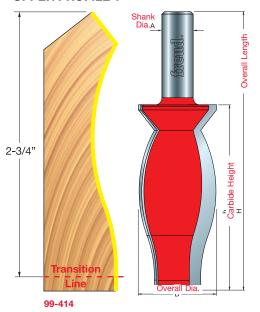
Hardwood

Softwood



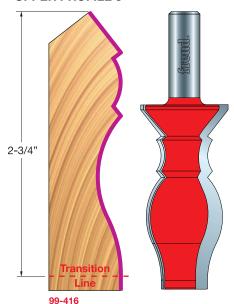


UPPER PROFILE 1

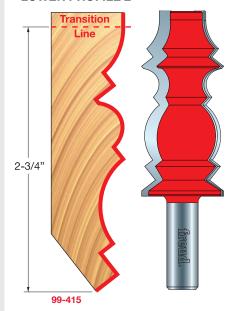


UPPER PROFILE 3

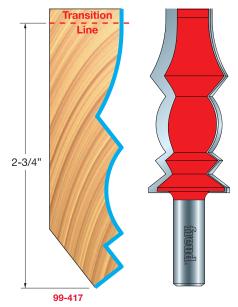
CONTINUED



LOWER PROFILE 2



LOWER PROFILE 4





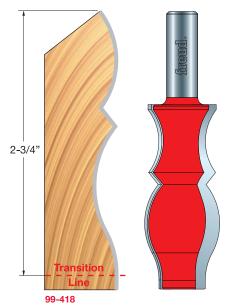
Wide Crown Molding System

CONTINUED

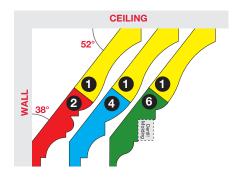
UPPER PROFILE 5

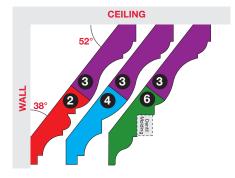
Transition Line

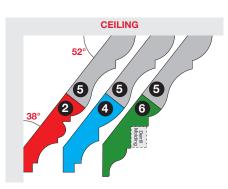
2-3/4"

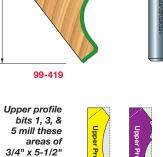


A total of 9 different combinations can be created with the Wide Crown Molding System









Molding





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

ARCHITECTURAL MILLWORK BITS

USE IN

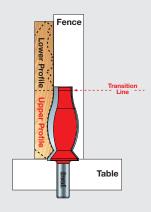


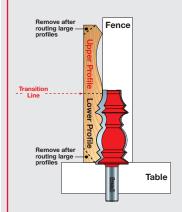
APPLICATION

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.



Hardwood Softwood







ARCHITECTURAL MILLWORK BITS

Wide Crown Molding System

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.

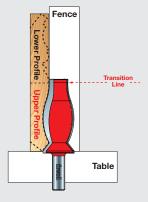
MATERIALS

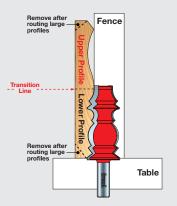


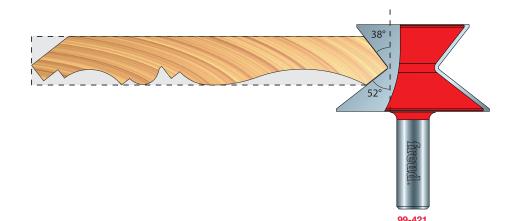


Hardwood

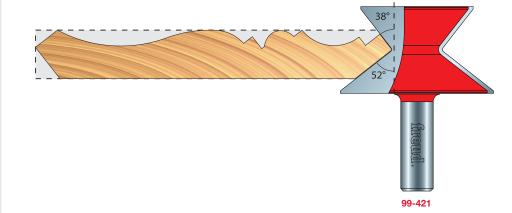
Softwood





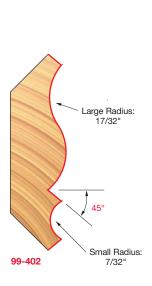


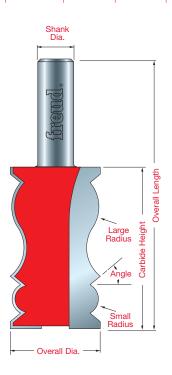
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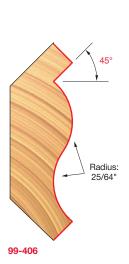


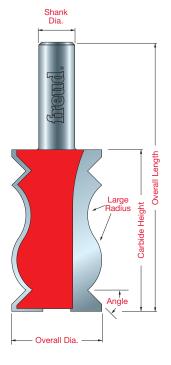
Crown Molding Bit

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"









ARCHITECTURAL MILLWORK BITS

USE IN



Table Router

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.





Softwood Hardwood

ARCHITECTURAL MILLWORK BITS

Crown Molding Bit

USE IN



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

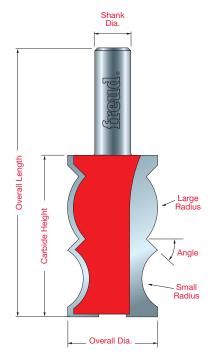


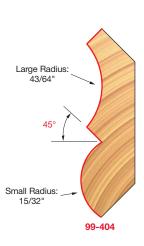


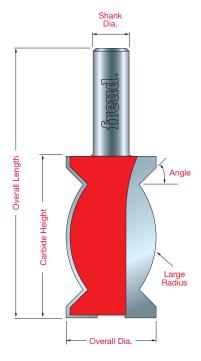
Hardwood

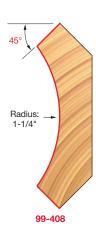
Softwood

CONTINUED



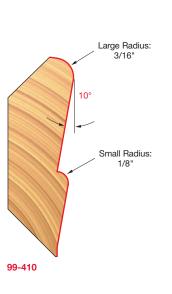


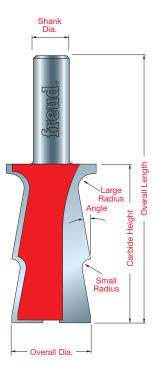




Crown Molding Bit

CONTINUED





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.





Hardwood

Softwood



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

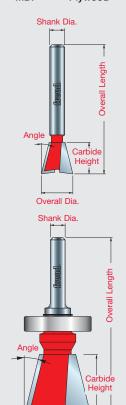
Softwood





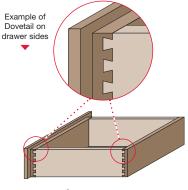
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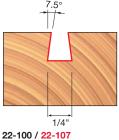
Plywood



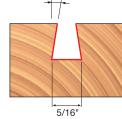


		_			
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
22-100	1/4"	5/16"	7-1/2°	1/4"	2"
22-101	5/16"	3/8"	9°	1/4"	1-7/8"
22-102	3/8"	3/8"	9°	1/4"	1-7/8"
22-103	3/8"	3/8"	14°	1/4"	2-1/2"
22-104	1/2"	1/2"	14°	1/4"	1-7/8"
22-105	5/8"	7/8"	7°	1/4"	2-1/8"
22-106	3/4"	7/8"	7°	1/4"	2-1/8"
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"



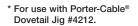




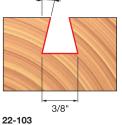


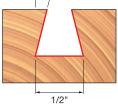
22-101 / 22-108





22-102 / 22-110





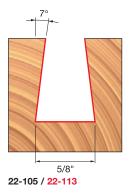
22-104 / 22-124 / 22-112

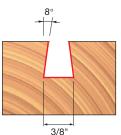
Red Item Numbers Indicate 1/2" Shank

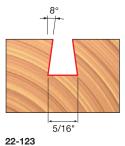
Dovetail Bits



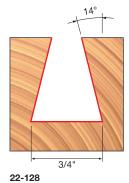
JOINERY BITS

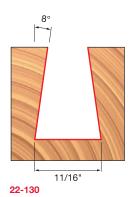


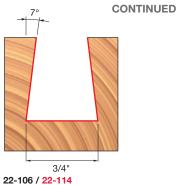


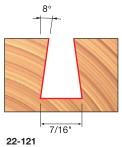


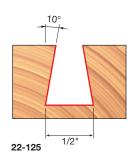
22-120

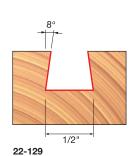


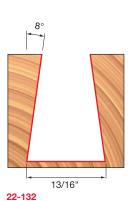


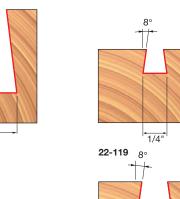


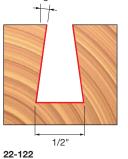


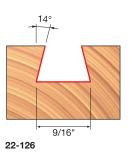


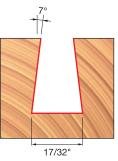




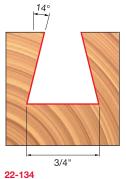








22-115



USE IN







Hand Router

CNC

APPLICATION

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









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



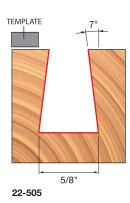


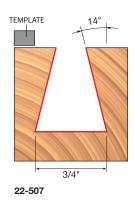
MDF

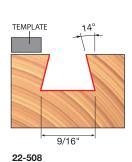
Plywood

CONTINUED

Top Bearing Dovetail







SHANK

DIA.

1/2"

OVERALL

LENGTH

3-1/4"

JOINERY BITS

Butterfly Spline Bit

OVERALL

DIA.

1-1/8"

SMALL

DIA.

11/16"

ITEM

NUMBER

24-106

USE IN



Hand Router

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



Overall Length Carbide Height

Overall Dia.

Shank Dia.



CARBIDE

HEIGHT

1-3/4"

ANGLE

14°

* Solid Carbide

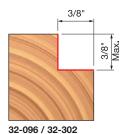
178 freud.

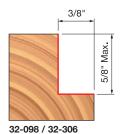
Rabbeting Bits

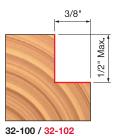


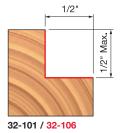
JOINERY BITS

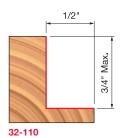
ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CUT DEPTH	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH	
32-096	1-1/4"	1/2"	3/8"	3/8"	1/4"	2"	
32-098	1-1/4"	1/2"	3/8"	5/8"	1/4"	2-1/4"	
32-100	1-1/4"	1/2"	3/8"	1/2"	1/4"	2"	
32-101	1-3/8"	3/8"	1/2"	1/2"	1/4"	2-1/4"	
32-102	1-1/4"	1/2"	3/8"	1/2"	1/2"	2-1/4"	
32-106	1-3/8"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











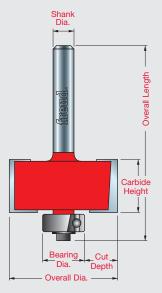
USE IN



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.





Rabbeting Bits with Bearing Set

USE IN



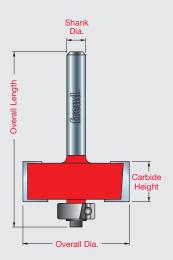
Table Router Hand Router

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.

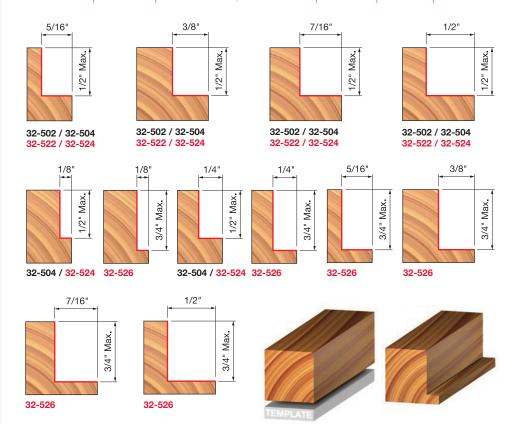
MATERIALS



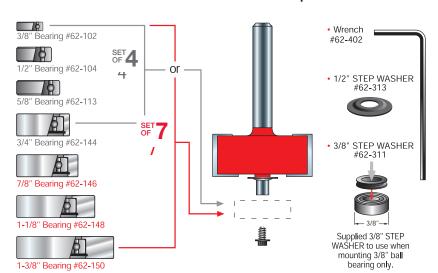




ITEM NUMBER	OVERALL DIA.	RABBETING DEPTHS	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
32-502	1-3/8"	5/16", 3/8", 7/16", 1/2"	1/2"	1/4"	2-1/4"
32-504	1-3/8"	flush, 1/8", 1/4", 5/16", 3/8", 7/16", 1/2"	1/2"	1/4"	2-1/4"
32-522	1-3/8"	5/16", 3/8", 7/16", 1/2"	1/2"	1/2"	2-1/4"
32-524	1-3/8"	flush, 1/8", 1/4",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



Both Sets Include the Wrench and Step Washers





Stacked Slotting Set



JOINERY BITS

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

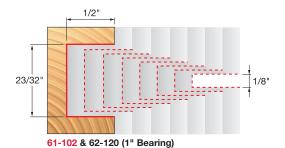
Replacement Bearing

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"

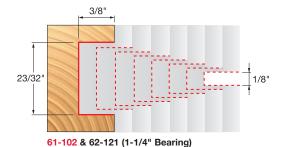
Replacement Cutters

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

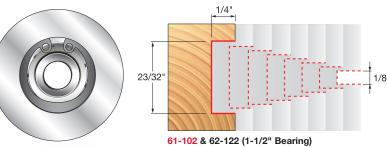














USE IN

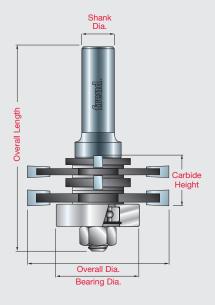


Table Router Hand Router

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.







Biscuit Joining Set

USE IN



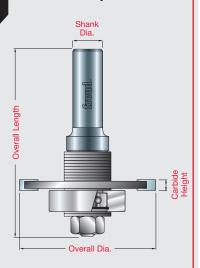
Table Router Hand Router

APPLICATION

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

MATERIALS









Biscuit

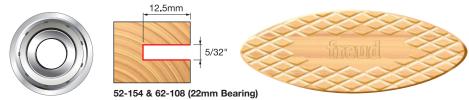
ITEM	OVERALL	CARBIDE	SHANK	OVERALL
NUMBER	DIA.	HEIGHT	DIA.	LENGTH
99-041	1-27/32"	5/32"	1/2"	

Replacement Bearing

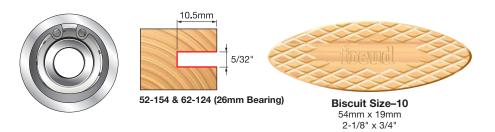
ITEM	OVERALL	CARBIDE	SHANK	OVERALL
NUMBER	DIA.	HEIGHT	DIA.	LENGTH
52-154	1-27/32"	5/32"	5/16"	-

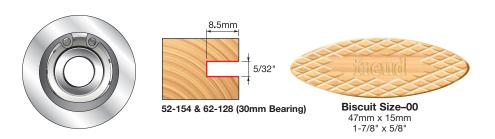
Bearings

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

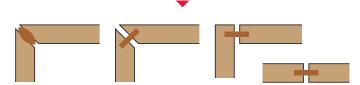


Biscuit Size-20 59mm x 22mm 2-3/8" x 7/8"





Examples of various joint configurations



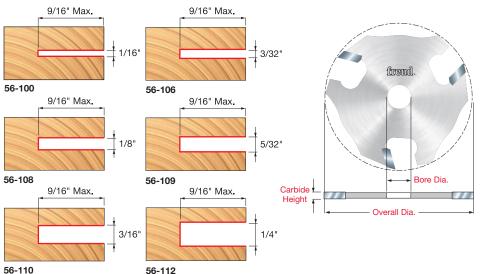


Three Wing Slotting Cutters



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

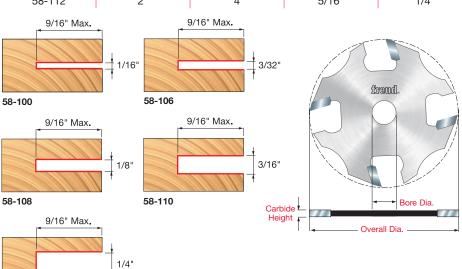
Producing slots and grooves for T-moldings, spline joints, tongue & groove joints and many other applications. Should be used with Freud's slotting cutter arbors 60-100 for 1/4" shanks and 60-102 for 1/2" shanks. Compatible with 62-108 bearing. Cutter 56-109 can be used for biscuit joining.

MATERIALS



Four Wing Slotting Cutters

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"



JOINERY BITS

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





58-112



Slotting Cutter Arbors

USE IN

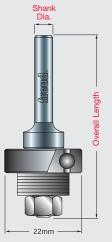


Table Router Hand Router

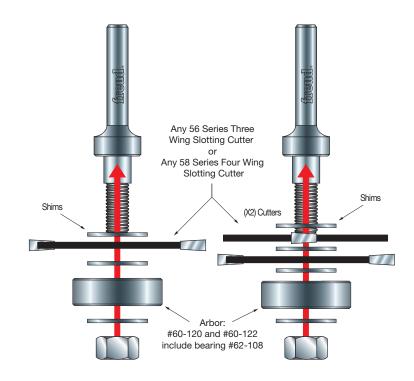
APPLICATION

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"



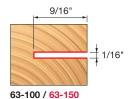


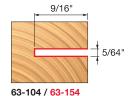
Slotting Cutter Sets

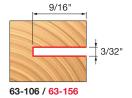


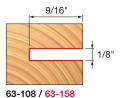
JOINERY BITS

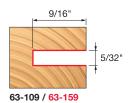
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	CUT DEPTH	SHANK DIA.	OVERALL LENGTH
63-100	2"	1/16"	9/16"	1/4"	2-3/8"
63-104	2"	5/64"	9/16"	1/4"	2-3/8"
63-106	2"	3/32"	9/16"	1/4"	2-3/8"
63-108	2"	1/8"	9/16"	1/4"	2-3/8"
63-109	2"	5/32"	9/16"	1/4"	2-3/8"
63-110	2"	3/16"	9/16"	1/4"	2-3/8"
63-111	2"	15/64"	9/16"	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"

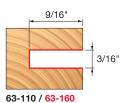


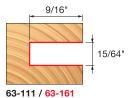


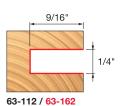












USE IN



Table Router



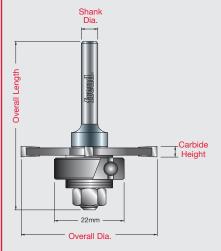
Hand Router

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.





Canoe Joint Bits

USE IN



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





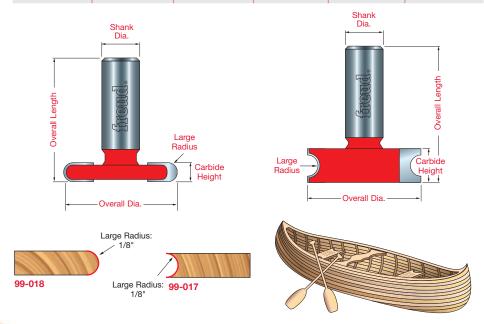
Hardwood

Softwood

MDF

Plywood

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



JOINERY BITS

Reversible Glue Joint Bit

USE IN



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

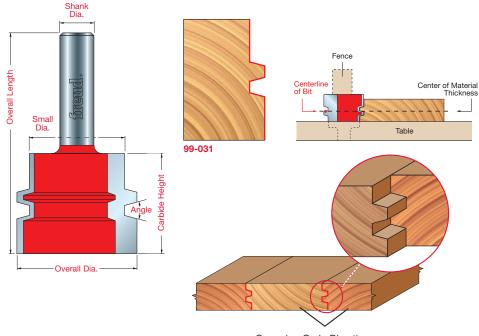




MDF

Plywood

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



Opposing Grain Direction

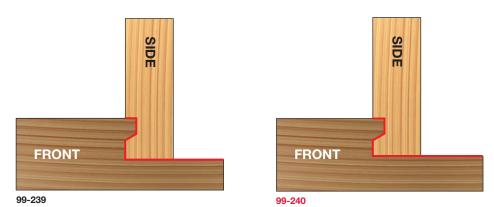


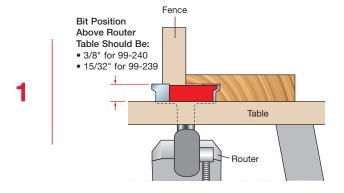
Drawer Lock Bits



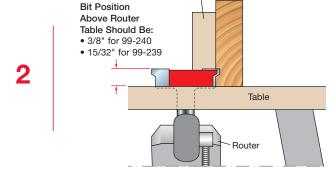
JOINERY BITS

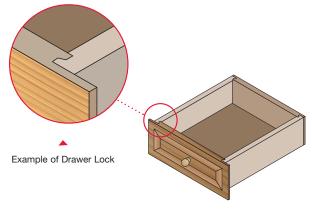
ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
99-239	1-1/4"	1-1/64"	1/2"	13/64"	30°	1/4"	1-3/4"
99-240	2"	1-3/4"	33/64"	5/32"	30°	1/2"	2"





Fence





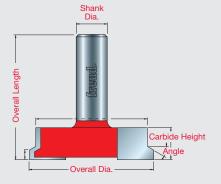
USE IN



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.







Lock Miter Bits

USE IN



APPLICATION

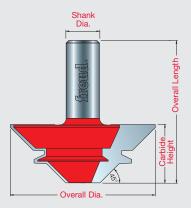
Creating interlocking corner joints. Run one board vertically and the piece to be joined horizontally. 99-035 cuts thinner panels for projects such as humidors and jewelry boxes.

MATERIALS

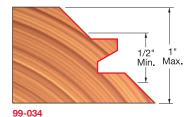




MDF Plywood

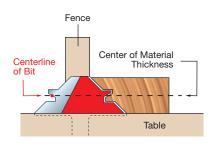


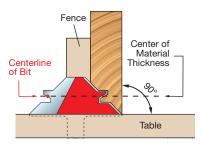
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
99-034	2-3/4"	1-5/32"	45°	1/2"	2-5/8"
99-035	2-11/64"	7/8"	45°	1/2"	2-3/8"
99-043	1-15/32"	7/8"	22-1/2°	1/2"	2-3/8"





99-035



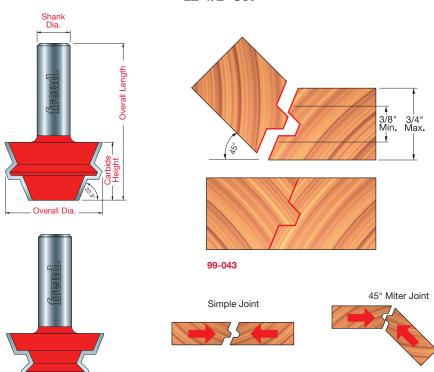


Simple Joint





22-1/2° Set

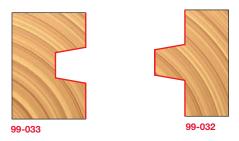


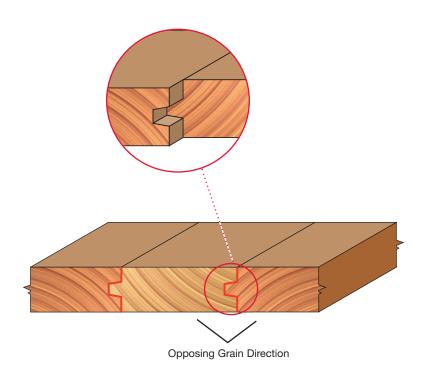
Wedge Tongue & Groove Bits



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"





USE IN

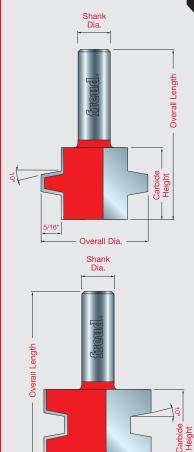


APPLICATION

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

MATERIALS





Overall Dia.



Adjustable Tongue & Groove Bit Set

USE IN



Table Router

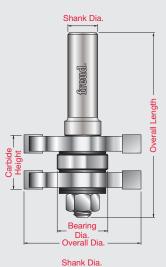
APPLICATION

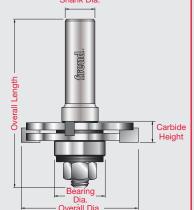
Producing perfectly fitted tongue and groove joints for projects such as Shaker style cabinet doors. Exclusive Freud design features a tongue cutter with opposing shear angles to ensure a flawless finish. Adjustable at .002 inch increments for stock thickness of 1/2" to 1-1/4" and groove widths of 7/32"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





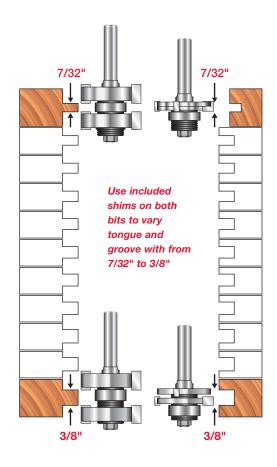
Plywood













Tongue & Groove Joints

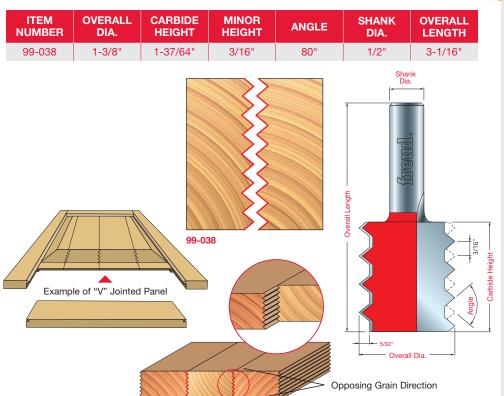
Breadboard Ends

Shaker Style Doors

Raised Panel "V" Joint Bit



JOINERY BITS



USE IN



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

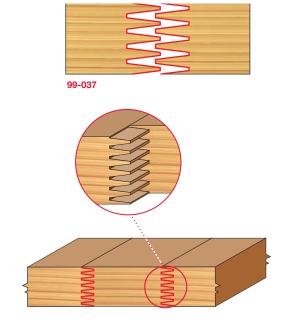


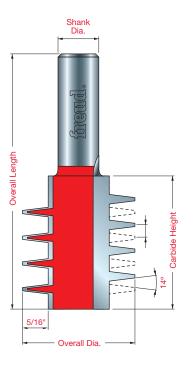
Finger Joint Bit



JOINERY BITS

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





USE IN



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.







Variable Height Finger Joint Bit

USE IN



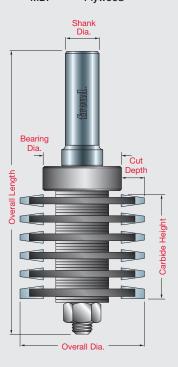
Table Router Hand Router

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





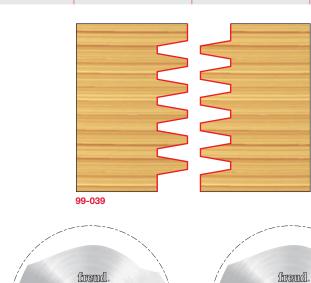
ITEM	OVERALL	CUT	BEARING	CARBIDE	SHANK	OVERALL
NUMBER	DIA.	DEPTH	DIA.	HEIGHT	DIA.	LENGTH
99-039	2"	5/16"	1-3/8"(35mm)	1-9/16"	1/2"	

Replacement Cutters

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

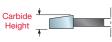
Replacement Bearings

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

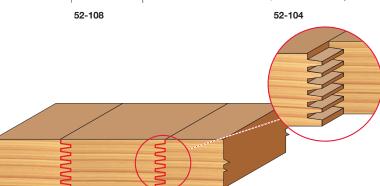














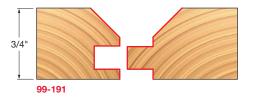
"V" Panel Bit Set

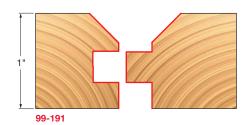


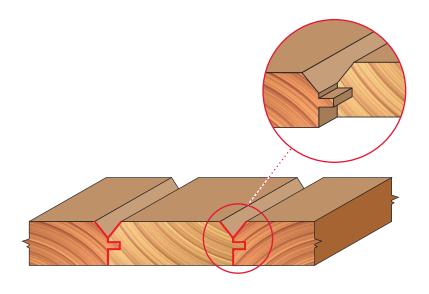
JOINERY BITS

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"









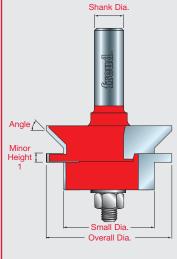
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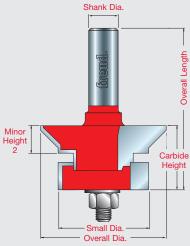


APPLICATION

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









Round Over Bowl Bits

USE IN

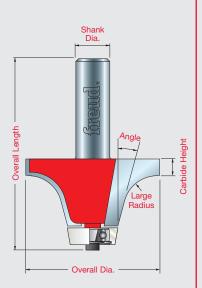


Hand Router

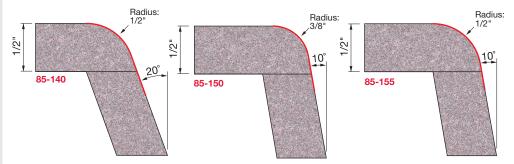
APPLICATION

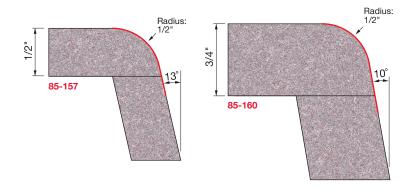
Trimming joint between solid surface countertops and solid surface sink bowls with a smooth, rounded edge. Specially formulated carbide is ideal for fabricating solid surface materials. Features non-marring synthetic bearing to protect finished edges.

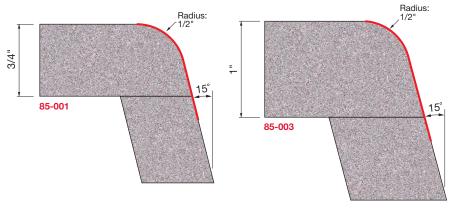




ITEM NUMBER	FOR TOP THICKNESS	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	ANGLE	SHANK DIA.	OVERALL LENGTH			
	For Corian [®] Bowls 802, 809, 810, 871									
85-140	1/2"	2-1/8"	1"	1/2"	20°	1/2"	2-13/16"			
	For Avonite®, Corian®, Fountainhead®, & Formica® bowls, Transolid® and Hi-Macs® sinks									
85-150	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 Gru	ber [®] , Royal	Stone®, Tran	solid [®] and	Hi-Macs® E	Bowls				
85-157	1/2"	2-3/8"	7/8"	1/2"	13°	1/2"	2-51/64"			
		For various	bowls and s	sinks with 1	5° 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"			







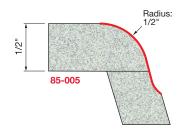
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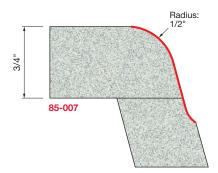
Ogee Bowl Bits



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"		





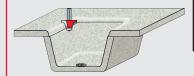
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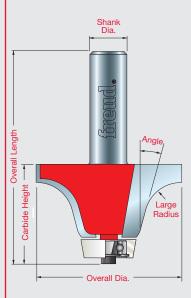


Hand Router

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.





Bevel Bowl Bits

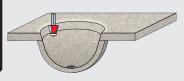
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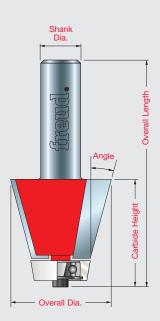


Hand Router

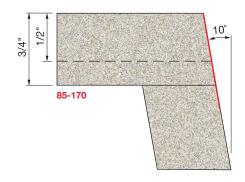
APPLICATION

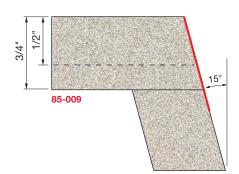
Trimming joint between solid surface countertops and solid surface sink bowls with a beveled edge. Specially formulated carbide is ideal for fabricating solid surface materials. Features non-marring synthetic bearing to protect finished edges.

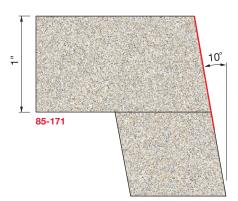


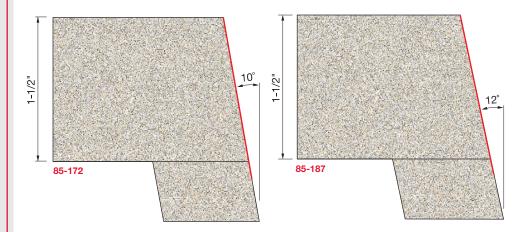


			ı							
ITEM NUMBER	FOR TOP THICKNESS	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH				
	For Avonite®, Cerata® and Corian® sinks and bowls									
85-170	1/2" or 3/4"	1-3/8"	1"	10°	1/2"	2-7/8"				
85-171	1"	1-9/16"	1-1/4"	10°	1/2"	3-1/8"				
85-172	1-1/2"	1-3/4"	1-3/4"	10°	1/2"	3-3/8"				
	For Roya	al Stone®, Gru	ıber® and Staı	ron® sinks and	d 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"				







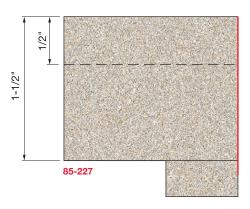


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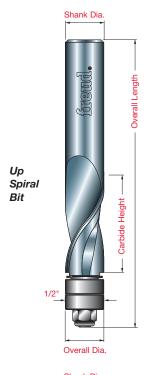
Flush Trim Solid Surface Bits

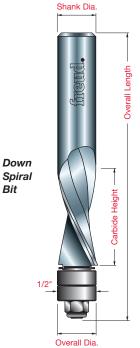
ITEM NUMBER	FOR TOP THICKNESS	SHEAR DIRECTION	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH	
85-227	1/2" to 1-1/2"	N/A	3/4"	1-3/4"	1/2"	3-5/8"	
Spiral Flush Trim Bits							
75-508	1"	Up	1/2"	1-1/4"	1/2"	3-3/4"	
75-509	1-3/4"	Up	1/2"	2"	1/2"	4-11/16"	
76-508	1"	Down	1/2"	1-1/4"	1/2"	3-3/4"	
76-509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











SOLID SURFACE BITS

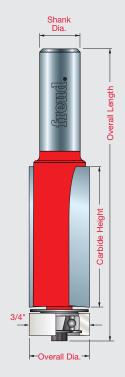
USE IN



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.



Overhang Trim and Cut Out Bits

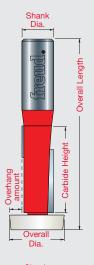
USE IN

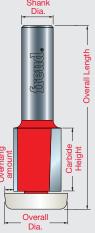


Hand Router

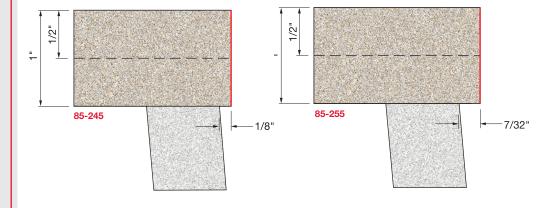
APPLICATION

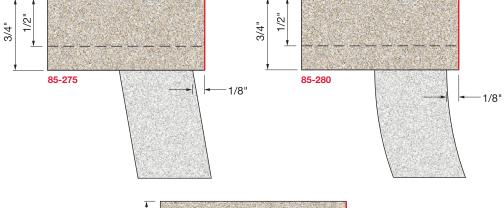
Initial bowl cut out to prepare for round over, ogee, bevel or bull nose finish cuts. Specially formulated carbide is ideal for fabricating solid surface materials. Features non-marring synthetic bearing to protect finished edges.

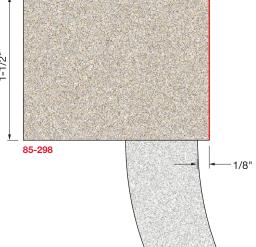




ITEM NUMBER	FOR TOP THICKNESS	OVERHANG AMOUNT	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH			
	Overhang Cut Out Bits with 5° beveled bearing								
85-245	1-1/4"	1/8"	1/2"	1-3/8"	1/2"	3"			
85-255	1-1/4"	7/32"	1/2"	1-3/8"	1/2"	3"			
	Ove	rhang Trim Bi	t with 10° be	veled bearing	3				
85-275	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"			



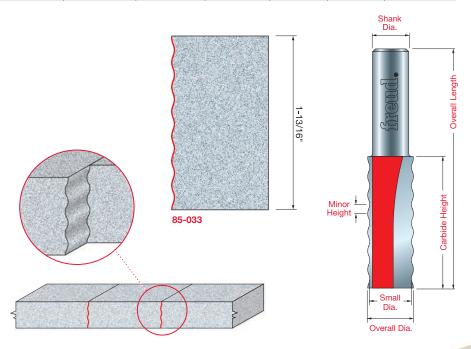




Wavy Joint Bit

SOLID SURFACE BITS





USE IN



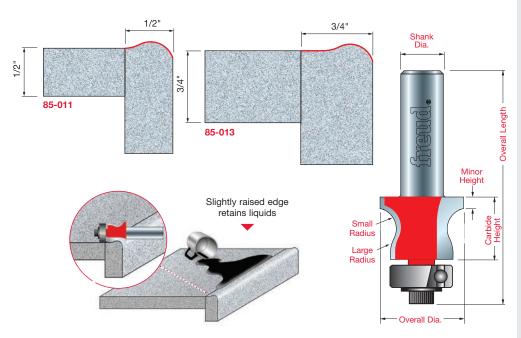
Hand Router

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.

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/v2"	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.

Under Rounding Bit For Bull Nose

USE IN

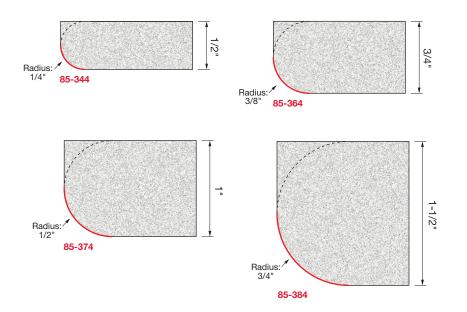


Hand Router

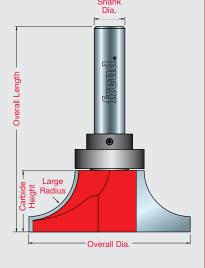
APPLICATION

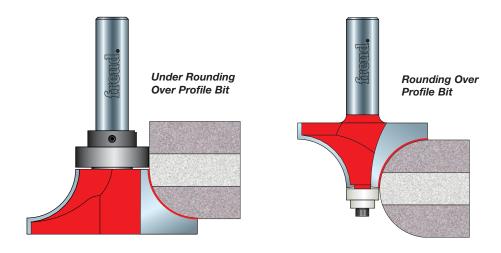
Routing the lower portion of a bull nose edge. Combine these bits with the rounding over bits above to create perfect bull nose edges. Specially formulated carbide is ideal for fabricating solid surface materials.

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.





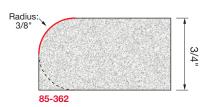
Rounding Over Bits

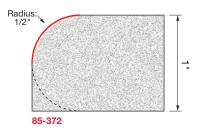


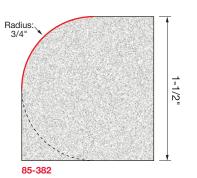
SOLID SURFACE BITS

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"









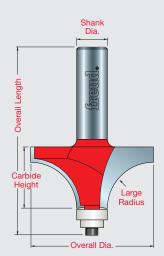
USE IN



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.





Inlay Bits

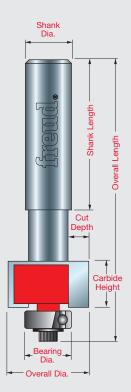
USE IN



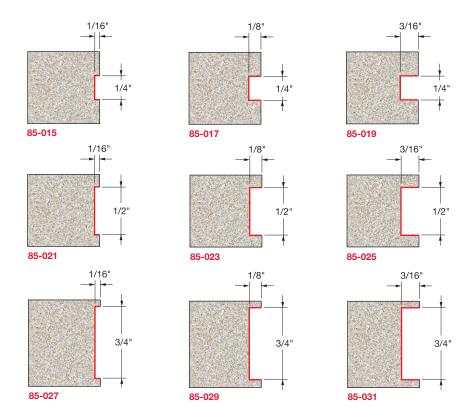
Hand Router

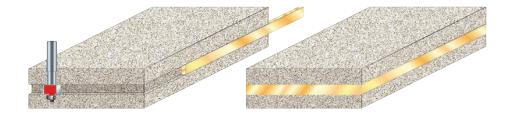
APPLICATION

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

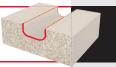


ITEM NUMBER	OVERALL DIA.	CUT DEPTH	BEARING DIA.	CARBIDE HEIGHT	SHANK LENGTH	SHANK DIA.	OVERALL LENGTH
85-015	7/8"	1/16"	3/4"	1/4"	1-5/8"	1/2"	2-13/16"
85-017	7/8"	1/8"	5/8"	1/4"	1-5/8"	1/2"	2-13/16"
85-019	7/8"	3/16"	1/2"	1/4"	1-5/8"	1/2"	2-13/16"
85-021	7/8"	1/16"	3/4"	1/2"	1-5/8"	1/2"	3-1/16"
85-023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



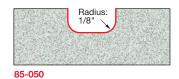


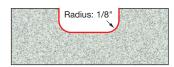
Drainboard Bits



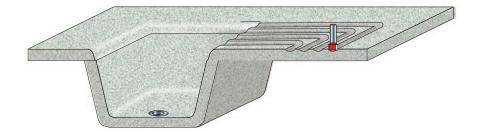
SOLID SURFACE BITS

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"





85-052



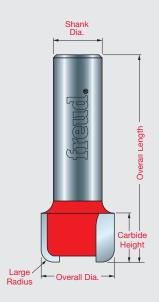
USE IN

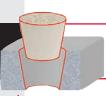


Hand Router

APPLICATION

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





Trimming, Repair and Bowl Removal Bits

USE IN

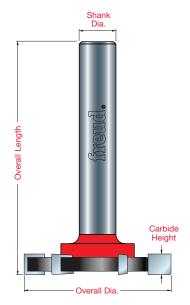


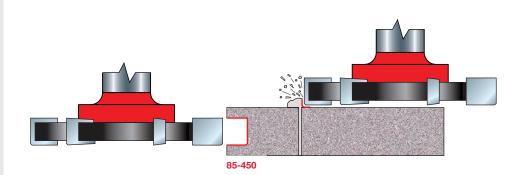
Hand Router

APPLICATION

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

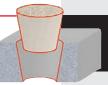
ITEM NUMBER	DESCRIPTION	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH			
Tr	Trimming & Grooving Bit, removes excess adhesive, cuts spline grooves								
85-450	6 wing trim	2"	1/4"	_	1/2"	3-1/8"			
	Solid Surface "Dovetail" Re	pair Set, pro	duces mat	ching beve	el edges				
85-300	Bevel 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 B	its, remove	damaged b	owls 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"			
00-170	Tapered Hole Cutter	1-11/16"	1-7/16"	_	1/2"	3-5/16"			





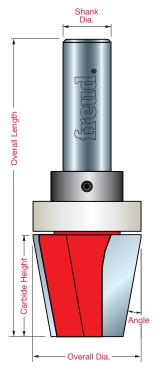


Trimming, Repair and Bowl Removal Bits



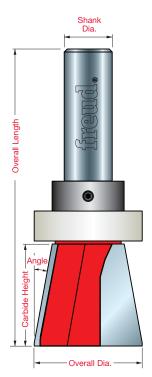
SOLID SURFACE BITS

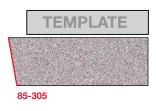
CONTINUED





85-300





USE IN



Hand Router

APPLICATION

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

Trimming, Repair and Bowl Removal Bits

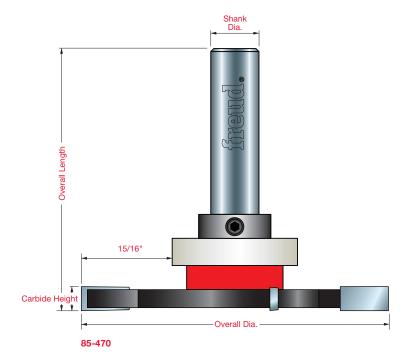
USE IN



Hand Router

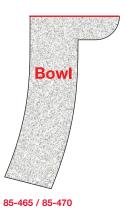
APPLICATION

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



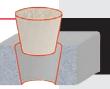
Bits #85-465 & #85-470 are used for removing mounted bowls as shown below.





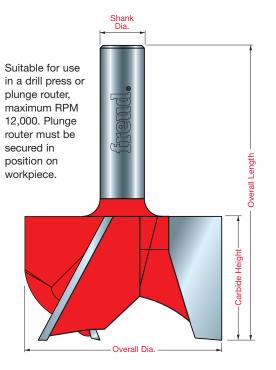


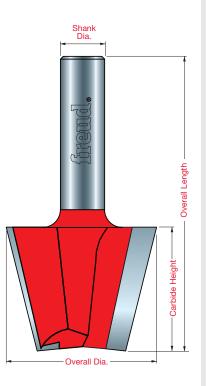
Trimming, Repair and Bowl Removal Bits

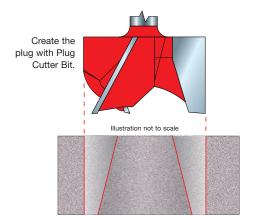


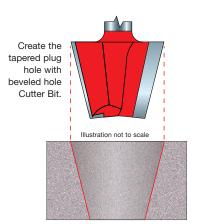
SOLID SURFACE BITS

CONTINUED

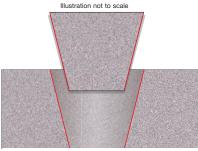








Plug is ready for installation and finishing. Maximum plug diameter is 1-3/4".



85-175 2 Bit Set

USE IN



Hand Router

APPLICATION

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



Solid Surface Edge Profile Bits

USE IN

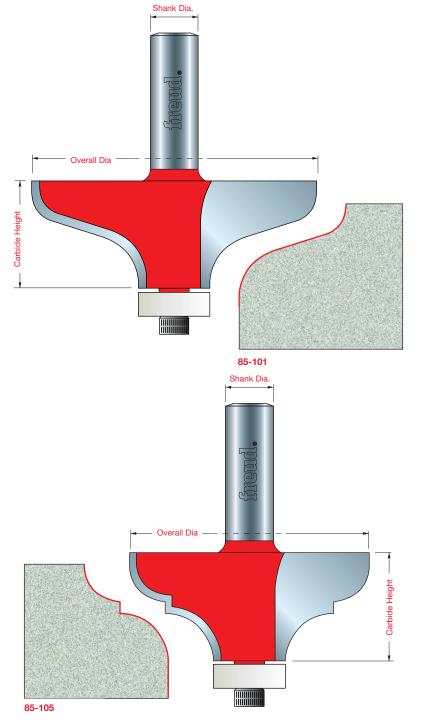


Hand Router

APPLICATION

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

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

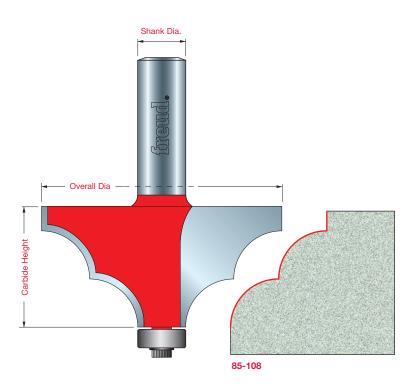


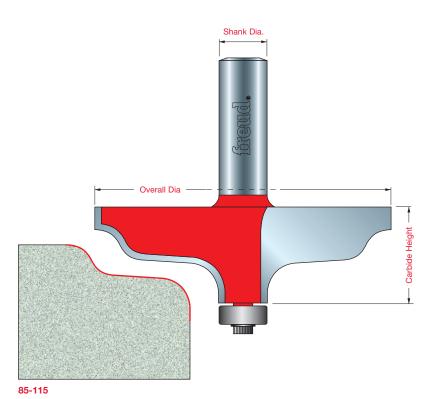


Solid Surface Edge Profile Bits

SOLID SURFACE BITS

CONTINUED





USE IN



Hand Router

APPLICATION

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

Solid Surface Edge Profile Bits

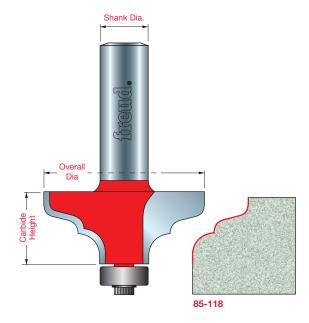
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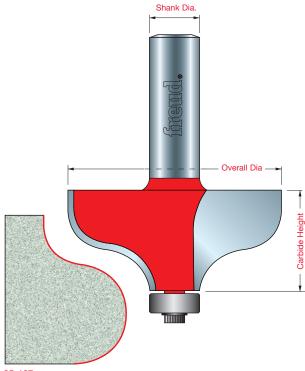


Hand Router

APPLICATION

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





85-127 (Profile shown requires two passes)

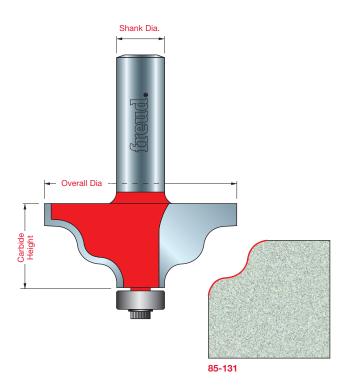


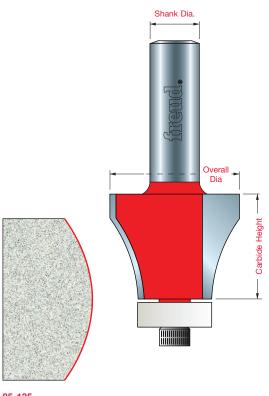
Solid Surface Edge Profile Bits

S B

SOLID SURFACE BITS

CONTINUED





85-135 (Profile shown requires two passes)

USE IN



Hand Router

APPLICATION

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



Window Sash & Rail Bits

USE IN



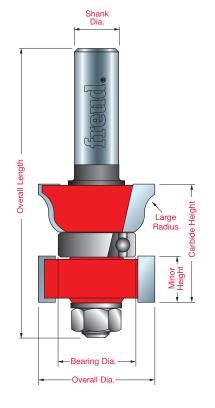
Table Router

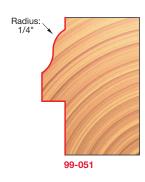
APPLICATION

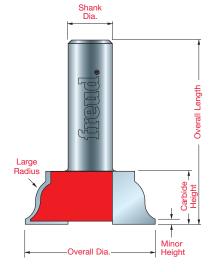
Two bits work together to produce a complete divided lite sash. 99-050 copes the rails, sash bars and muntins, while 99-051 cuts the profile on all components. Includes instruction manual.

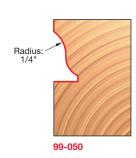


ITEM NUMBER	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
99-051	1-11/32"	22mm	1-25/64"	17/32"	1/4"	1/2"	3-7/16"
99-050	1-1/2	-	39/64"	1/16"	1/4"	1/2"	2-1/16"









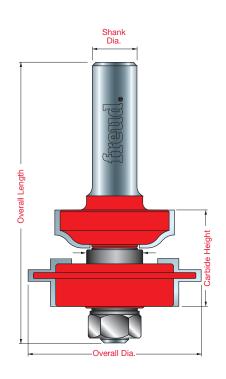
Glass Panel Cabinet Door Bit Set

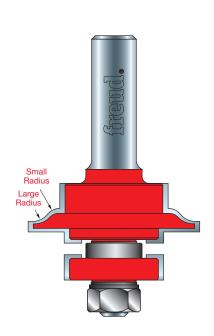
DOOR & WINDOW BITS

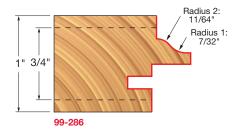
ITEM NUMBER	- T		CARBIDE HEIGHT				OVERALL LENGTH
99-286	2"	16mm	1-3/32"	7/32"	11/64"	1/2"	3-1/8"

Glass Panel Molding Spline

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

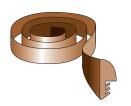








1/8" (0.125") Glass





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.



freud_{® 213}



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





Hardwood

Softwood

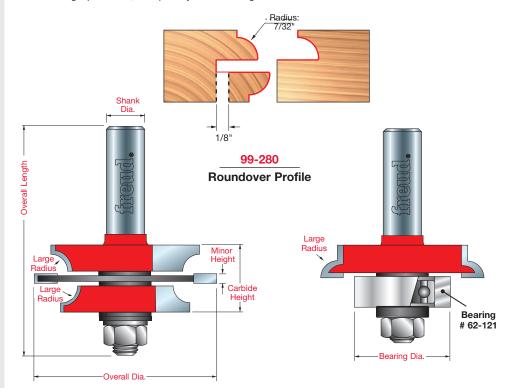


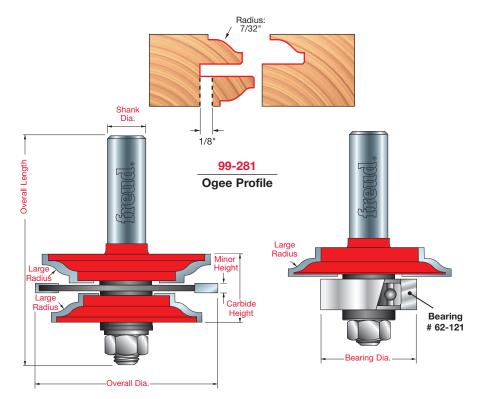
MDF

Plywood

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

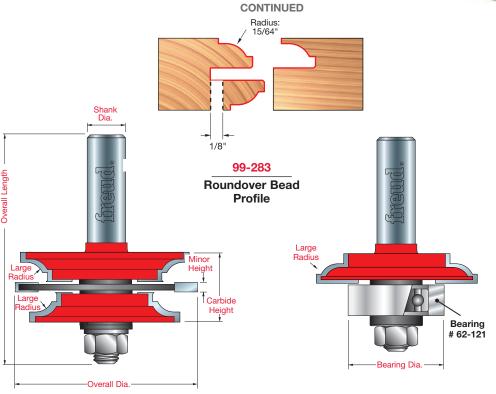




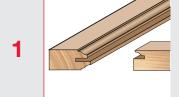
Recoverable Bead Glass Door Bit Sets



DOOR & WINDOW BITS



STEPS TO PERFECT GLASS CABINET DOORS



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



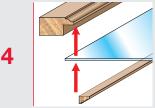
3

Assemble stiles and rails. Miter cut beads to size

5



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



Install 1/8" glass and secure with beads



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

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.



Plywood



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.





Hardwood

Softwood

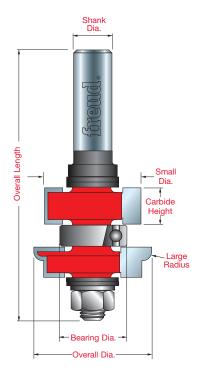


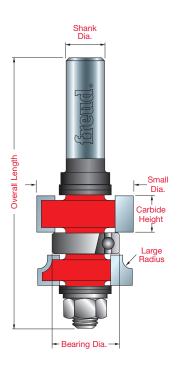


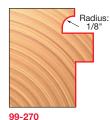
MDF

Plywood

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







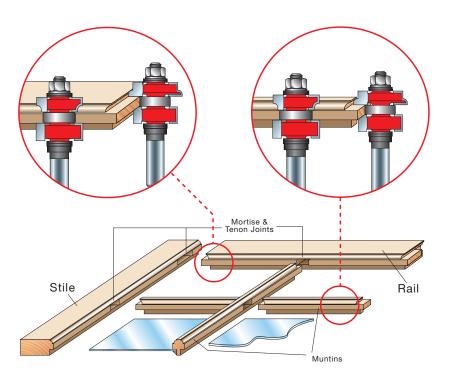


Divided Lite Cabinet Door Bit Set



DOOR & **WINDOW BITS**

CONTINUED



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



STEPS TO PRODUCE A DIVIDED LITE DOOR



Rout bead profile



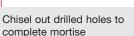
Drill starter hole for mortise

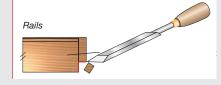


5

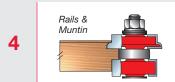


complete mortise





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



Rout Cope profile



Fit the mortise and tenon cuts together



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.



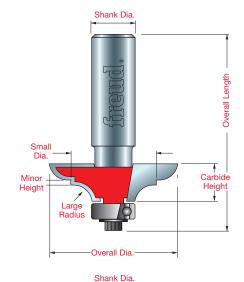


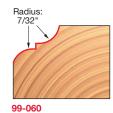
Hardwood

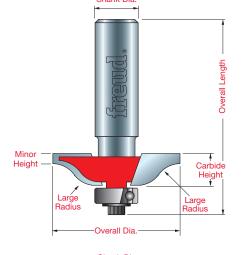
Softwood

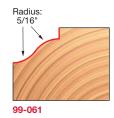


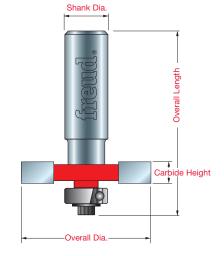
ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
99-060	1-1/2"	1"	7/16"	1/16"	7/32"	1/2"	2-1/4"
99-061	1-1/2"	-	3/8"	1/8"	5/16"	1/2"	2-1/4"
99-062	1-1/2"	_	1/4"	-	_	1/2"	2-1/8"

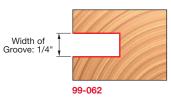












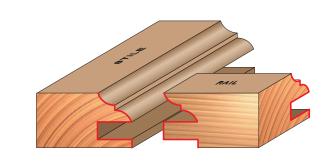
Rail & Stile Profile Bits

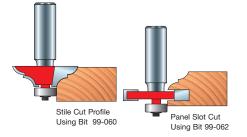


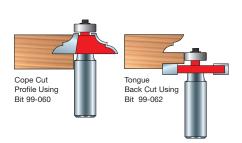
DOOR & WINDOW BITS

CONTINUED

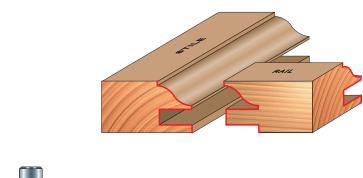
99-060 & 99-062

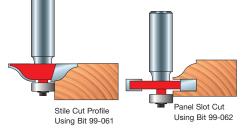


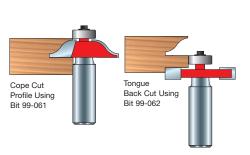




99-061 & 99-062







USE IN



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.



freud_{® 219}



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



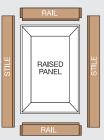






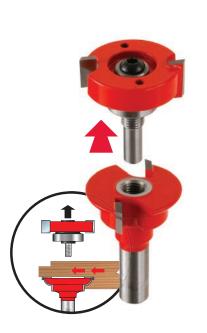
MDF

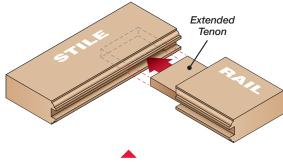
Plywood











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











Extended Tenons

Adjustable Grooves

Varying Stock
Thicknesses

Glass/Screen Panels

Double Sided Profiles



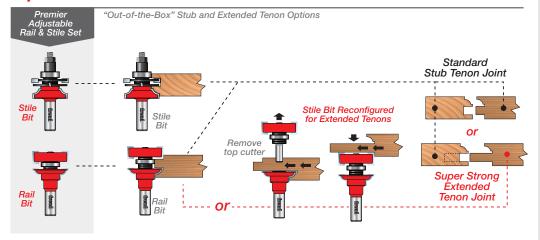
Premier Adjustable Rail & Stile Bit Sets

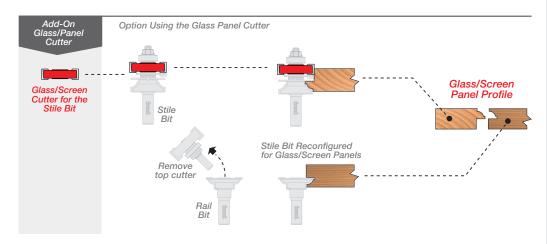


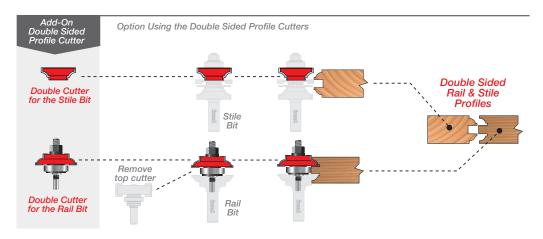
DOOR & WINDOW BITS

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.



freud, 221



Premier Adjustable Rail & Stile Bit Sets

USE IN



APPLICATION

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

MATERIALS





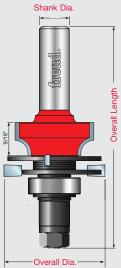
Hardwood

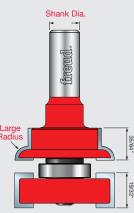


MDF



Plywood

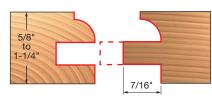




CONTINUED

99-760

ROUND OVER

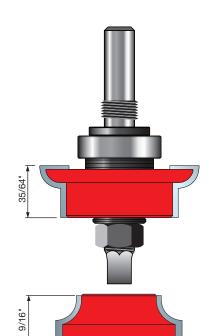


Stub & Extended Tenons

OPTIONAL CUTTER ADD-ONS

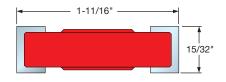
99-860

for creating double sided profiles

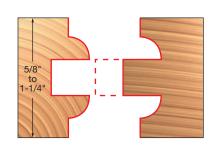


54-760

for creating glass/screen panel doors







Premier Adjustable Rail & Stile Bit Sets

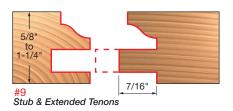


DOOR & **WINDOW BITS**

CONTINUED

99-761

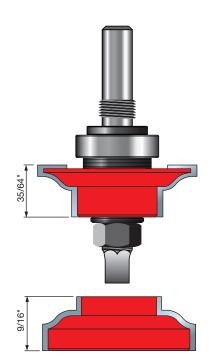
OGEE



OPTIONAL CUTTER ADD-ONS

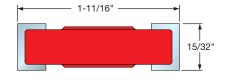
99-861

for creating double sided profiles

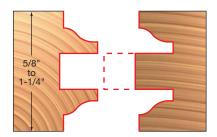


54-760

for creating glass/screen panel doors







USE IN



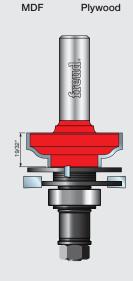
APPLICATION

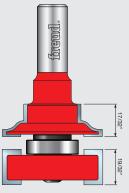
Produces perfect fitting rail and stile doors from 5/8" to 1-1/4" stock



Softwood









Premier Adjustable Rail & Stile Bit Sets

USE IN



APPLICATION

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

MATERIALS





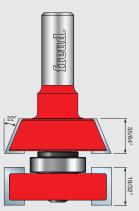
Hardwood



MDF



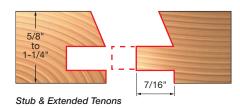




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99-762

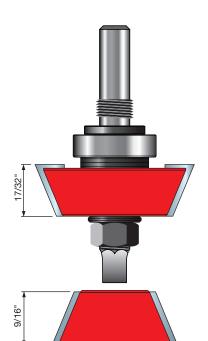
SHAKER



OPTIONAL CUTTER ADD-ONS

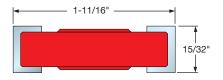
99-862

for creating double sided profiles

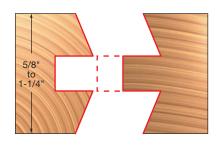


54-760

for creating glass/screen panel doors







Premier Adjustable Rail & Stile Bit Sets

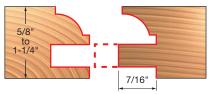


DOOR & **WINDOW BITS**

CONTINUED

99-763

ROUND OVER BEAD

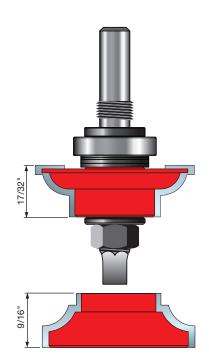


Stub & Extended Tenons

OPTIONAL CUTTER ADD-ONS

99-863

for creating double sided profiles



54-760

for creating glass/screen panel doors

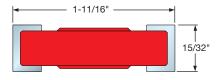








Table Router

APPLICATION

USE IN

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



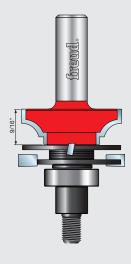


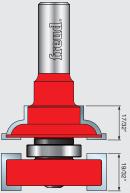




Plywood

MDF









Premier Adjustable Rail & Stile Bit Sets

USE IN



APPLICATION

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

MATERIALS



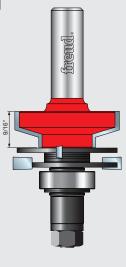


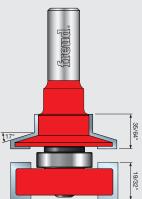
пагишоо

Softwood

MDF

Plywood

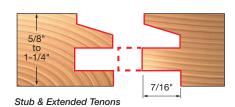




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99-764

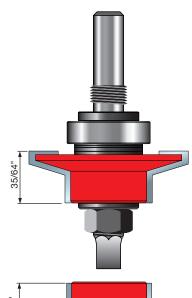
BEVEL



OPTIONAL CUTTER ADD-ONS

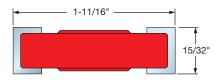
99-864

for creating double sided profiles

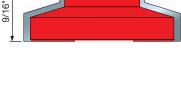


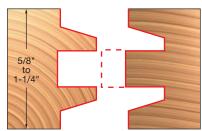
54-760

for creating glass/screen panel doors







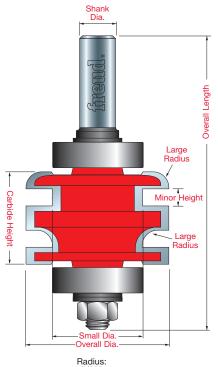


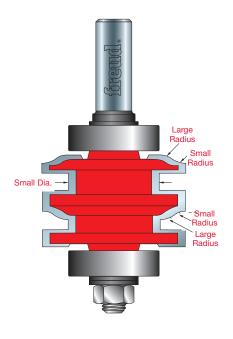
One-Piece Rail & Stile Bits

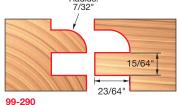


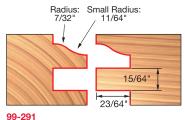
DOOR & WINDOW BITS

ITEM NUMBER	OVERALL DIA.	SMALL DIA.	CARBIDE HEIGHT			SMALL RADIUS		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"

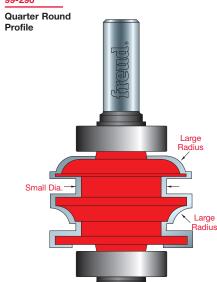


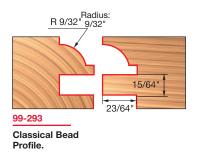






Ogee Profile





USE IN



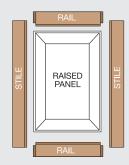
Table Router

APPLICATION

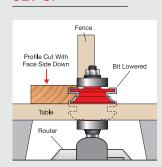
An efficient method for creating beautiful cabinet doors without having to reconfigure or change cutters or fence settings. Cuts all frame members face down so variations in stock thickness are not a problem.

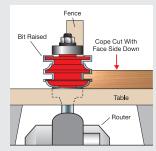
MATERIALS





SET UP









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









MDF

Plywood



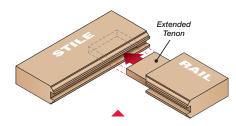




ITEM NUMBER	PROFILE	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH			
2 Piece Entry & Interior Door Bit Sets For 1-3/8" & 1-3/4" Stock									
99-267	Beading	1-7/8"	7/8"	1-7/8"	1/2"	4-1/8"			
99-268	Ogee	1-7/8"	7/8"	1-7/8"	1/2"	4-1/8"			
99-269	Cove & Bead	1-7/8"	7/8"	1-7/8"	1/2"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

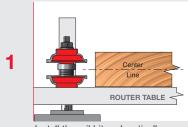
By making matching mortises in the mating stiles, a strong mortise & tenon joint will be created, which is required for making entry and interior door joints.

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

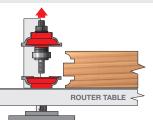
2

4

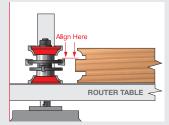
6



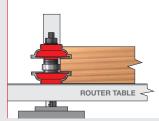
Install the rail bit and vertically center the bit with the stock.



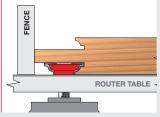
While leaving the rail bit in place, remove the top section of the router bit.



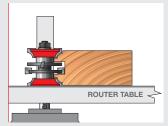
Install the stile cutter bit and align the top of the groove cutter to the top of the tongue of rail cut.



Rout the rail ends with stub tenons.



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



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



5

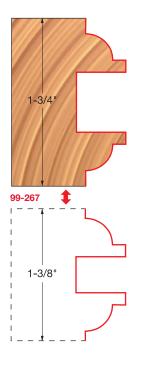
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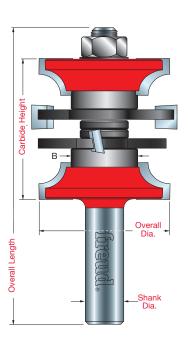
Entry & Interior Door Router Bit System



DOOR & WINDOW B<u>ITS</u>

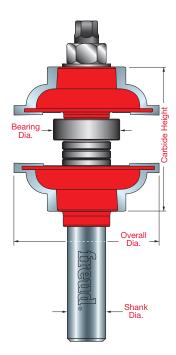
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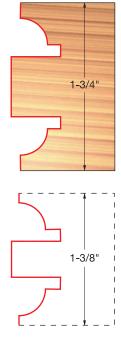




99-267

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.







MDF P

Plywood









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

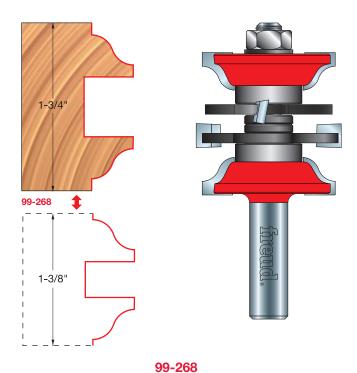




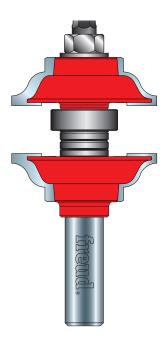


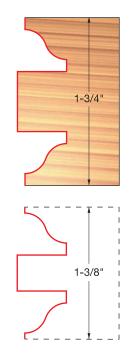


CONTINUED



OGEE



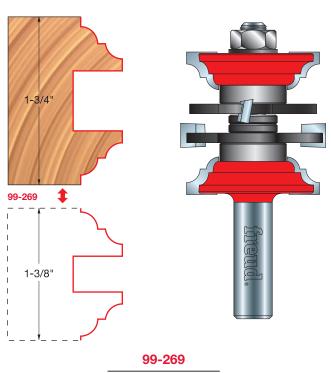


Entry & Interior Door Router Bit System

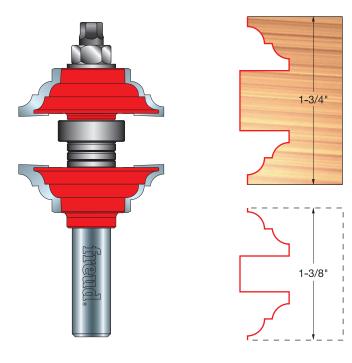


DOOR & WINDOW B<u>ITS</u>

CONTINUED



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.









MDF

Plywood









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.







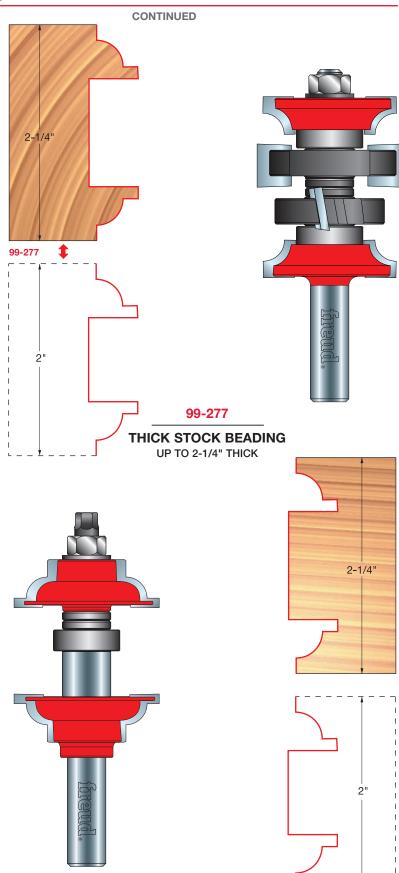


MDF Plywood









3-Piece French Door Bit Set

DOOR & WINDOW BITS

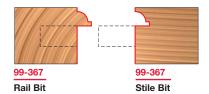
BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
	It	em Number 98	3-307		
Stile Bit, Roundover	99-367	1-7/8"	1-7/8"	1/2"	3-7/8"
Rail Bit, Roundover	99-367	1-7/8"	19/32"	1/2"	2-1/4"
Mortising Bit	16-120	22mm	1-1/2"	1/2"	3"
	3-308				
Stile Bit, Ogee	99-368	1-7/8"	1-7/8"	1/2"	3-7/8"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

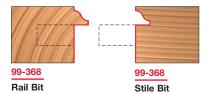


98-307



Mortising Bit









USE IN



APPLICATION

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





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.









MDF

Plywood



BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
	lt	em Number 98	3-317		
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"
	It	em Number 98	3-318		
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"
	It	em Number 98	3-319		
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



Mortising Bit



12-120 Straight Bit



Muntin Joint

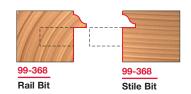


Muntin Joint



39-369 Muntin Joint









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"				
	Ite	em Number 98	3-328						
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"				
	Ite	em Number 98	3-329						
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"				



Straight Bit



Muntin Joint Bit



39-368 Muntin Joint Bit



39-369 Muntin Joint Bit



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.





French Provincial Raised Panel Bit

USE IN

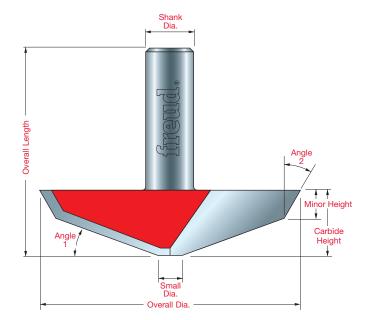


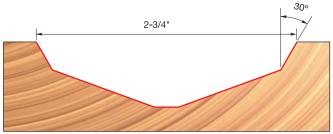
APPLICATION

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.



1	ITEM IUMBER	-		CARBIDE HEIGHT		_	ANGLE 2	-	OVERALL LENGTH
	99-214	2-3/4"	1/4"	11/16"	19/64"	20°	30°	1/2"	2-3/16"





99-214

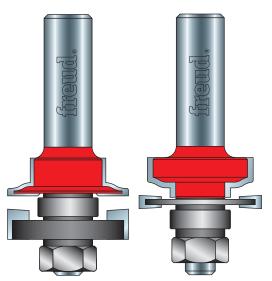
Matched Rail & Stile Mini Profile Bit Sets



DOOR & WINDOW BITS

ITEM NUMBER	OVERALL DIA.	SMALL DIA.			LARGE RADIUS	_	OVERALL LENGTH
99-266	1-9/32"	25/32"	13/16"	-	_	1/2"	2-11/16"





USE IN

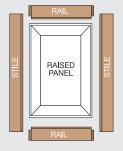


Table Router

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.





Quadra-Cut[™] Raised Panel Bits

USE IN



Table Router

Wer Design

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.

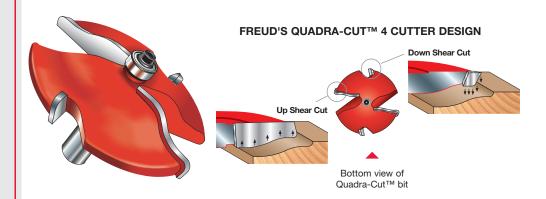


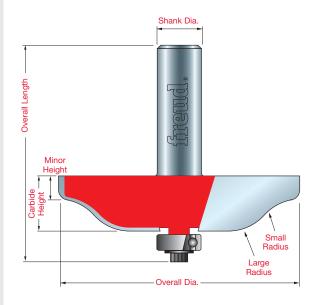


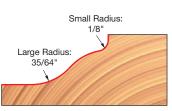
MDF



Quadra-Curiz **OVERALL** SMALL CARBIDE LARGE SMALL SHANK **OVERALL ITEM MINOR** NUMBER DIA. DIA. HEIGHT **HEIGHT RADIUS RADIUS** DIA. 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" 3-1/2" 5/64" 1-1/2" 99-518 5/8" 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" 2-1/2" 1/2" 3-1/2" 1-1/4" 5/8" 1/2" 2-1/2" 99-522 15/64" 99-523 3-1/2" 1-1/4" 1/2 5/32" 1/2" 2-1/2"







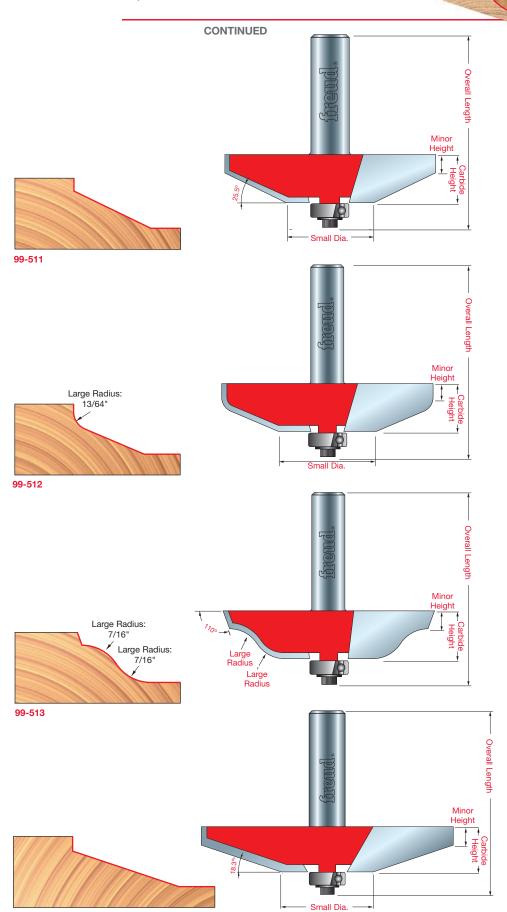
99-510





Quadra-Cut™ Raised Panel Bits

DOOR & WINDOW 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



99-515

Quadra-Cut[™] Raised Panel Bits

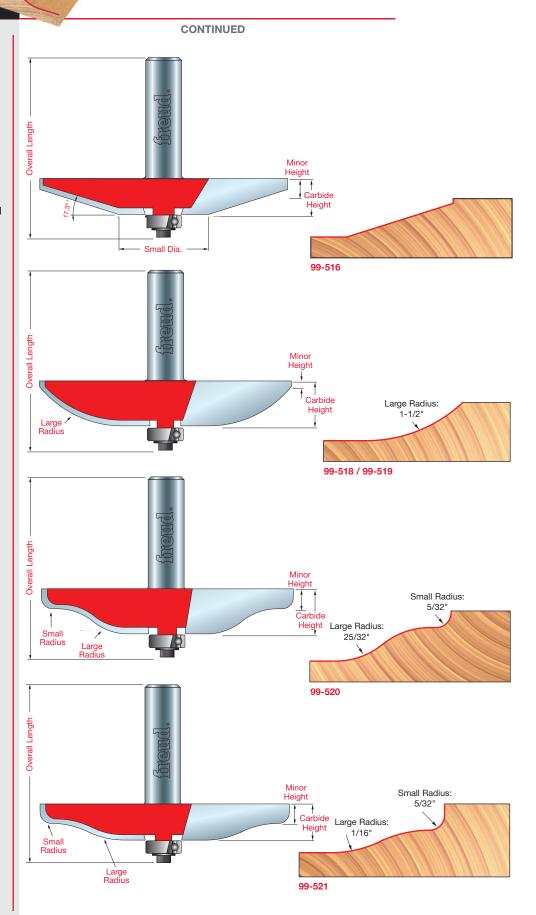
USE IN



APPLICATION

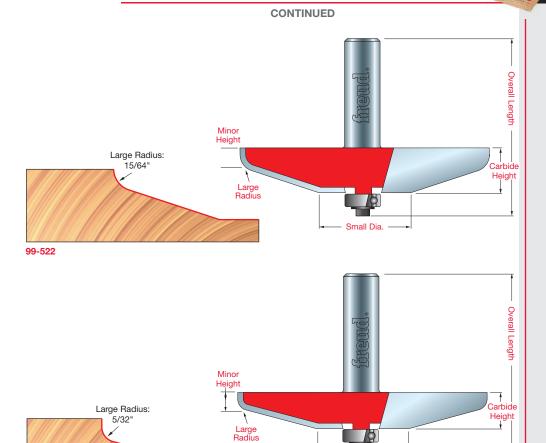
Ideal for creating raised panels for doors and paneling, as well as decorative tops, plaques and molding. Revolutionary design combines two small wings that cut downward to shear the top edge for a splinter-free surface, and two large wings that shear upward for a smooth finish.

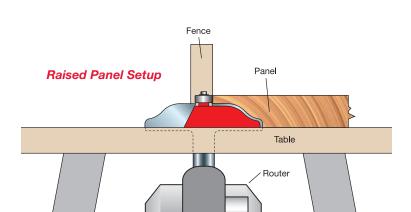




Quadra-Cut™ Raised Panel Bits

DOOR & WINDOW BITS





Small Dia.

USE IN



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



99-523

Quadra-Cut[™] Raised Panel Bits with Backcutters

USE IN





Table Router

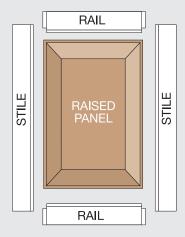
APPLICATION

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.

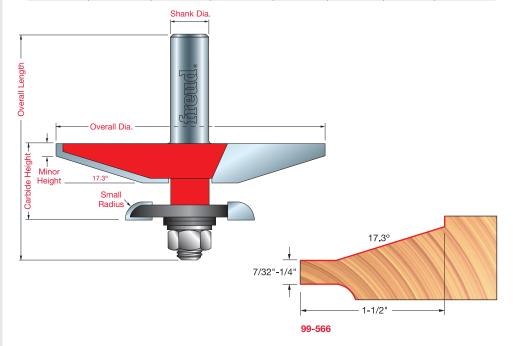
MATERIALS

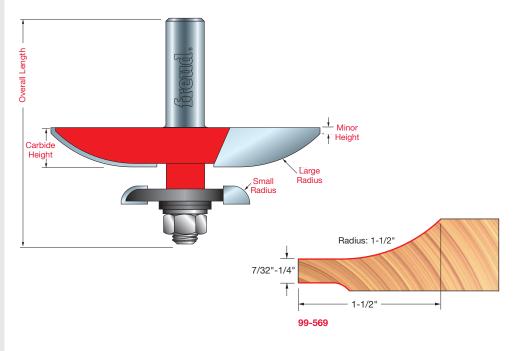


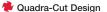
MDF Plywood



	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"		



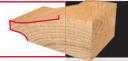




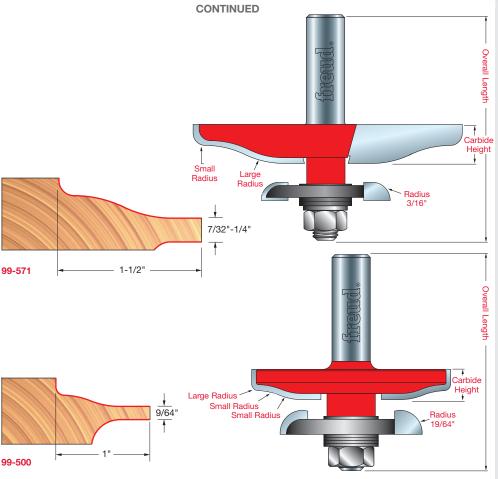
U.S. Patent No. 5,899,252

U.S. Patent No. 6,354,347

Quadra-Cut[™] Raised Panel Bits with Backcutters

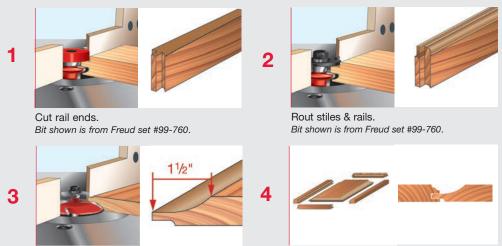


DOOR & WINDOW BITS



Replacement Backcutters Radius: 3/16" 1-13/16" 1-7/16" 1-7/16" 1-7/16"

STEPS TO BUILDING A PERFECT PANEL DOOR



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

Assemble stiles, rails and door panel.

USE IN

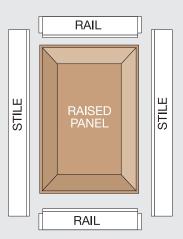


Table Router

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.





Vertical Raised Panel Bits

USE IN



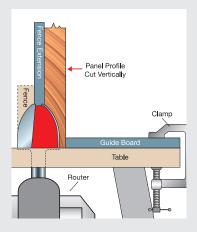
APPLICATION

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.

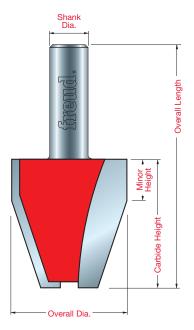
MATERIALS

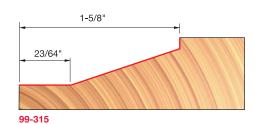


SET UP



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"

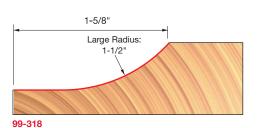




Shank Dia.

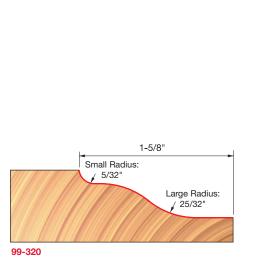
Overall Length

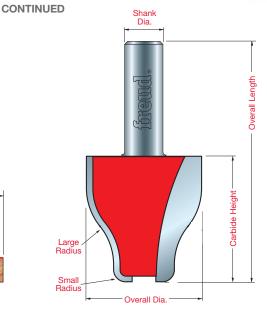
Overall Length

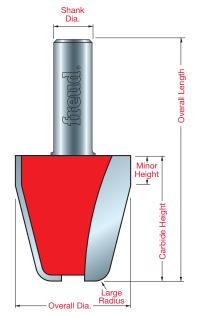


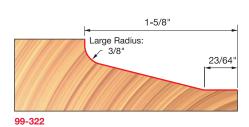
Vertical Raised Panel Bits











Vertical Panel Bit Setup

Panel Profile Cut Vertically

Guide Board

Router

Router

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.





Door Pull Bit

USE IN

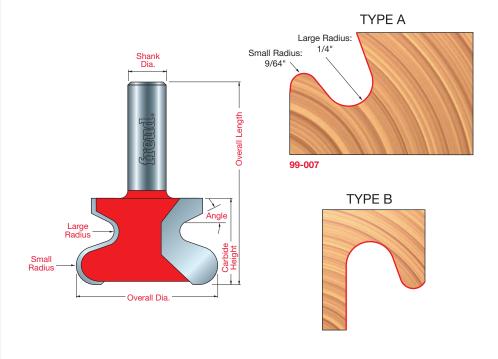


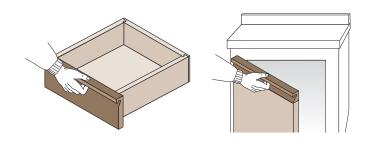
APPLICATION

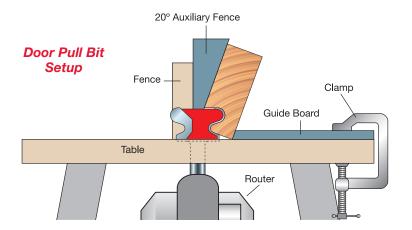
Produces the finger pull groove found on popular contemporary cabinet doors



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







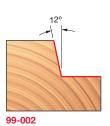
Door Lip Bit

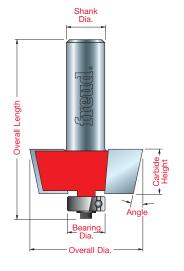


DOOR & WINDOW BITS

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"





USE IN



APPLICATION

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

MATERIALS

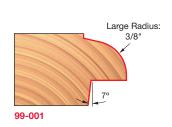


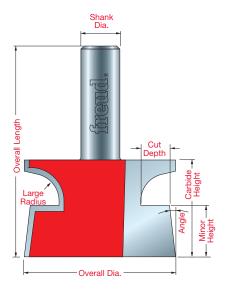
Door Lip Bit



DOOR & WINDOW BITS

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





USE IN



APPLICATION

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





DOOR & WINDOW BITS



No Lip Door Edge Bit

USE IN



Table Router Hand Router

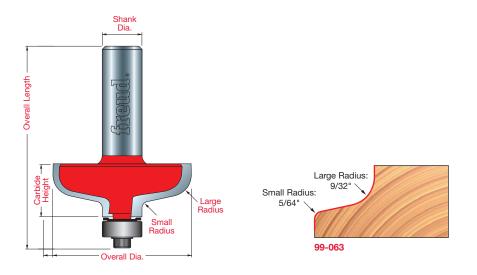
APPLICATION

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



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



DOOR & **WINDOW BITS**

USE IN



APPLICATION

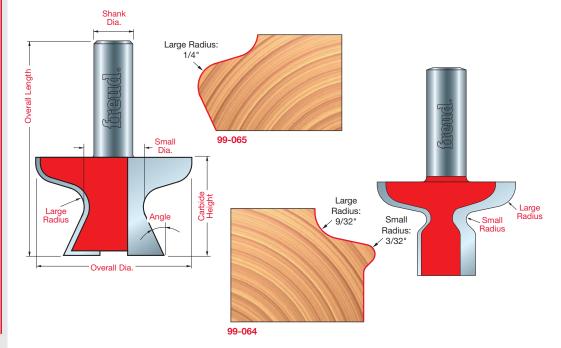
Creating the finger pull found on popular contemporary cabinet doors

MATERIALS



Finger Pull Door Lip Bit

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"

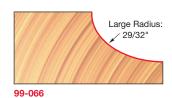


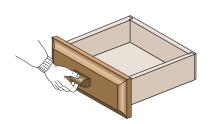
Drawer Front Bit

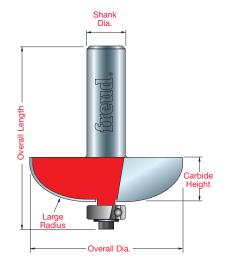


DOOR & WINDOW BITS

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







USE IN



APPLICATION

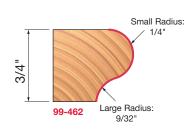
Adding a decorative "raised panel" look to drawer fronts. Precise shear angles provide a splinter-free finish.

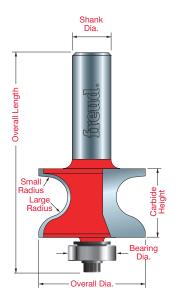
MATERIALS



Window Stool Bit

ITEM NUMBER	OVERALL DIA.	=	CARBIDE HEIGHT				
99-462	1-13/32"	5/8"	1"	9/32"	1/4"	1/2"	2-7/8"





DOOR & WINDOW BITS

USE IN



Table Router Hand Router

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.





ROUTER BIT SETS

9-Piece Basic Bit Set

USE IN



APPLICATION

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









BIT	ITEM	OVERALL	BEARING	CARBIDE	NO. OF	MINOR	ANGLE	SHANK	OVERALL
TYPE	NO.	DIA.	DIA.	HEIGHT	FLUTES	HEIGHT	AITGLE	DIA.	LENGTH
		Item Nu	ımber 88-	100 (9 pc.	1/4" Sha	ank 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









38-100 / 38-106







42-104 / 42-109 70-100



5-Piece Introductory Bit Set

ROUTER BIT SETS

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

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







5-Piece Up Spiral Bit Set

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



APPLICATION

Quickly create grooves, mortises, and dadoes with chip removal







MDF

Plywood freud, 251

^{**} Use included bearing 62-104 to convert 34-124 Beading Bit into 36-124 Rounding Over Bit. Red Item Numbers Indicate 1/2" Shank

ROUTER BIT SETS

5-Piece Down Spiral Bit Set

USE IN







Hand Router

CNC

APPLICATION

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

MATERIALS





Hardwood

Softwood





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"						

3-Piece Undersized Plywood Bit Set

ITEM

NO.

04-111

16-098

16-103

16-094

16-109

16-116

OVERALL

DIA.

7/32"

15/32"

23/32"

7/32"

15/32"

23/32"

Item Number 89-670 (3 pc. 1/2" Shank Set)

Item Number 89-660 (3 pc. 1/4" Shank Set)





76-104 / 76-106 76-108

ROUTER BIT SETS





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









BIT

TYPE

Double Flute

Straight Bit*

Mortising Bit Mortising Bit**

Down Shear

Mortising Bit**

Down Shear

Mortising Bit**

Mortising Bit**

CARBIDE

HEIGHT

3/4"

1/2"

1/2"

1/2"

1/2"

3/8"

SHANK

DIA.

1/4"

1/4"

1/4"

1/2"

1/2"

1/2"

OVERALL

LENGTH

2"

2"

1-3/4"

2-1/4"

2-1/4"

2-1/8"

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

⁸⁹⁻⁶⁷⁰

^{*} Solid Carbide

^{**} Down Shear Design Red Item Numbers Indicate 1/2" Shank

4-Piece Undersized Plywood Bit Set



ROUTER BIT SETS

BIT	ITEM	OVERALL	CARBIDE	SHANK	OVERALL					
TYPE	NO.	DIA.	HEIGHT	DIA.	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 Numbe	r 89-650 (4 pc.	. 1/2" Shank S	et)						
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



APPLICATION

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



^{*} Solid Carbide

ROUTER BIT SETS



8-Piece General Purpose Bit Set

USE IN





Hand Router

CNC

APPLICATION

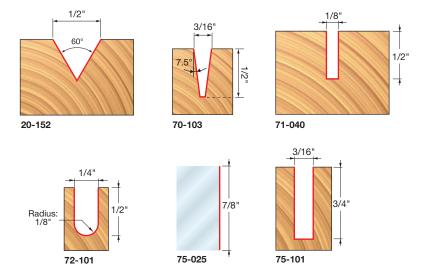
Engraving, 2D & 3D carving, grooving, sign making and sizing material. Whether starting out with your first CNC or expanding the range and quality of an existing bit collection, you will find plenty of projects to tackle with Freud's 1/4" shank General Purpose Set. Specifically designed for CNC Makers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



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

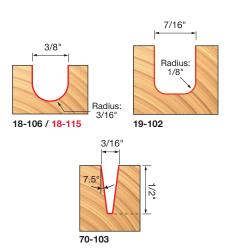


3-Piece Lettering & Sign Bit Set



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"				





87-408

USE IN Table Router Hand Router CNC **APPLICATION** Sign lettering, relief carving, engraving, 2D and 3D carving



MATERIALS

Hardwood Softwood



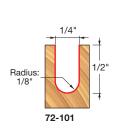


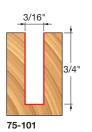
MDF

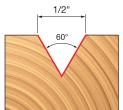
Plywood Aluminum

3-Piece Carving Bit Set

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"				







20-152

ROUTER BIT SETS

USE IN







Hand Router

CNC

APPLICATION

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





Plywood

ROUTER BIT SETS

3-Piece CNC Fine Detail Set







Hand Router

CNC

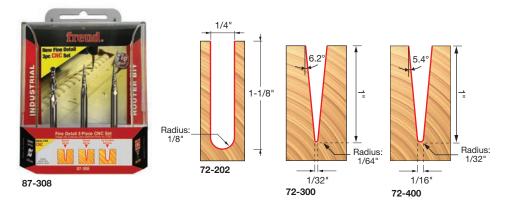
APPLICATION

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



BIT TYPE	ITEM NO.	OVERALL DIA.	CUTTING LENGTH	ANGLE	SHANK DIA.	OVERALL LENGTH
	Item Numbe	er 87-308 (3-	Piece CNC I	ine Detail S	et)	
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"



ROUTER BIT SETS



4-Piece Radius "V" Grooving Bit Set

USE IN



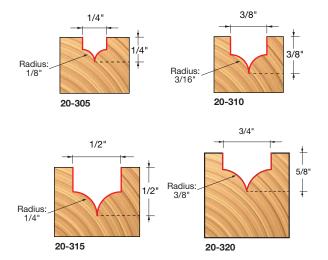
APPLICATION

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.



	MDF	Plywood
EC	frend	

ITEM NO.	OVERALL DIA.	CUTTING LENGTH	ANGLE	SHANK DIA.	OVERALL LENGTH
	Item Numbe	r 87-115 (4-Pied	e Radius "V" G	rooving 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"



8-Piece Sign Making Bit Set

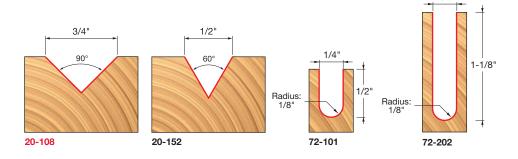


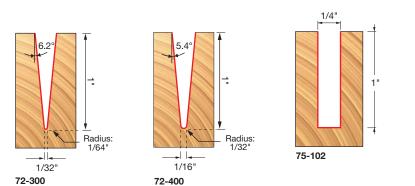
ROUTER BIT SETS

BIT TYPE	ITEM NO.	OVERALL DIA.	CUTTING LENGTH	SHANK DIA.	OVERALL LENGTH								
Itei	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





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





MDF Plywood

Aluminum

freud_{® 257}

76-100

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









MDF

Plywood

BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	NO. OF FLUTES	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
	It	em Numb	er 91-104	(6 pc. 1/2	" Shank S	et)		
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"











18-116

30-114

32-102





38-106



91-104



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 I	Number 9	0-100						
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"		



04-106 / 04-140



16-100



18-104



20-104



22-104



26-100









40-106

42-104 / 64-100

90-100



USE IN



Table Router Hand Router

APPLICATION

Offers a variety of useful bits, from "V" grooving and flush trimming to chamfering and dovetailing









freud_{® 259}

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.







Tiarawood



Plywood

BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	NO. OF FLUTES	ANGLE	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
	,		Item	Number 9	2-100				,
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"

26-Piece Artisan Bit Set



ROUTER BIT SETS

CONTINUED

20-100, # 20-104





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





92-100

36-110 / 36-114





38-100 / 38-102



42-100 / 42-104 42-106 / 64-100

66-100

USE IN



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.







MDF

Plywood

ROUTER BIT SETS



13-Piece Super Bit Set

USE IN



Table Router Hand Router

APPLICATION

Offers a mix of woodworkers' favorite bits, including "V" grooving, flush trimming, chamfering and dovetailing



MATERIALS

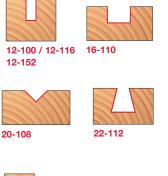




	_								
BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	NO. OF FLUTES	ANGLE	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH
			Item	Number 9	1-100				
Double Flute Straight Bit	12-100	1/4"	_	3/4"	_	-	-	1/2"	2-3/8"
Double Flute Straight Bit	12-116	1/2"	_	1"	-	_	-	1/2"	2-5/8"
Double Flute Straight 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







42-110

18-114

30-114

262 freud.

3-Piece Premier Adjustable Cabinet Bit Set

ROUTER BIT SETS



JSE IN



Table Router

APPLICATION

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









Juan	UFTA
1	
Cutter D	esign

These sets combine





MDF

Plywood

	BIT TYPE	ITEM NO.	DESCRIPTION	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH		
			Item Nur	nber 97-1	50					
	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 Nur	mber 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 Nur	mber 97-15	4					
	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 Nur	mber 97-25	0					
	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 Nur	mber 97-25	2					
	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 Nur	mber 97-25	4					
	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 Nur	mber 97-27	6					
	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 Premie Adjustable Rail & Stile **Bits**



ROUTER BIT SETS



3-Piece Premier Adjustable Cabinet Bit Set

CONTINUED

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



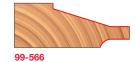




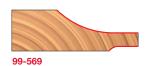
MDF



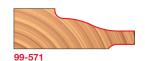
99-761 99-518



99-513



99-515



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

MDF

Plywood

5-Piece Premier Adjustable Cabinet Bit Set

BIT TYPE	ITEM NO.	OVERALL DIA.	CUT DEPTH	SMALL DIA	CARBIDE HEIGHT	_		-	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"		



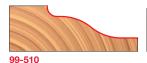


Sets Feature Freud's Premie Adjustable Rail & Stile Bits















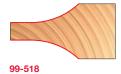
3-Piece Door Construction Set

BIT ITEM TYPE NO.		OVERALL CARBIDE DIA. HEIGHT		SHANK DIA.	OVERALL LENGTH
	Ite	em Number 98	3-300		
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"
	Ite	em Number 98	3-302		
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"









ROUTER BIT SETS



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.











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.



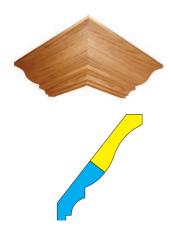


Hardwood

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 Num	ber 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"			









3-Piece Round Over/Beading Bit Sets



ROUTER BIT SETS

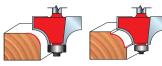
BIT TYPE	ITEM NO.	OVERALL DIA.	BEARING DIA.	CARBIDE HEIGHT	LARGE RADIUS	SHANK DIA.	OVERALL LENGTH	
Item Number 89-100								
Rounding Over Bit	34-108	7/8"	1/2"	1/2"	3/16"	1/4"	2-3/16"	
Rounding Over Bit	34-114	1-1/4"	1/2"	5/8"	3/8"	1/4"	2-3/16"	
Rounding Over Bit	34-116	1-1/2"	1/2"	3/4"	1/2"	1/4"	2-1/2"	
		Item	Number 89	9-150				
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"	







89-150







5-Piece Round Over/Beading 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	9-152					
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 Bead Profile Profile









89-152



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



ROUTER BIT SETS

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.





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®





Hardwood





MDF

Plywood

		ı				
BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	ANGLE	SHANK DIA.	OVERALL LENGTH
	H	em Numbe	r 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"
	H	em Numbe	r 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"



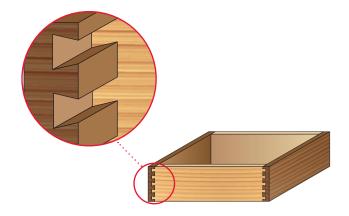


Double Flute Straight Bit Profile



Dovetail Bit Profile

96-100



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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"	





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



MDF

Softwood

Plywood

3-Piece Chamfer Bit Set

BIT **ITEM** OVERALL BEARING **CARBIDE SHANK OVERALL** ANGLE HEIGHT DIA. LENGTH DIA. DIA. **TYPE** NO. 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"







ROUTER BIT SETS

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.





MDF

Plywood

ROUTER BIT SETS



6-Piece Straight Bit Set

USE IN



Table Router Hand Router

APPLICATION

Allows you to make grooves, dadoes, and rabbets. Set includes bits with diameters ranging from 1/4", 3/8", 1/2", 5/8", 3/4", and 1".





naruwoou



MDF



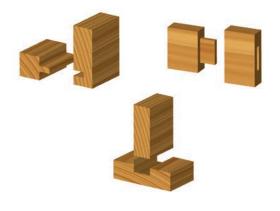
BIT TYPE	ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
	Ite	em Number 91	I-102		
Double Flute Straight Bit	12-100	1/4"	3/4"	1/2"	2-3/8"
Double Flute Straight Bit	12-108	3/8"	1"	1/2"	2-5/8"
Double Flute Straight Bit	12-116	1/2"	1"	1/2"	2-5/8"
Double Flute Straight Bit	12-136	5/8"	1"	1/2"	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"





Double Flute Straight Bit Profile





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 Speci	alty 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 o	of Bearings								
Asserted Pall Parting Cet										

Assorted Ball Bearing Set

Contains: (1) #62-102, (2) #62-104, (1) #62-108, & (1 wrench) #62-402

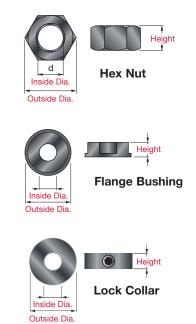


REPLACEMENT PARTS

Repair Parts

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	-





Ball Bearing Replacement Chart

REPLACEMENT PARTS

Ball Bearing Reference Guide For All Other Freud Router Bits

									1
ITEM	BEARING	ITEM	BEARING	ITEM	BEARING	ITEM	BEARING	ITEM	BEARING
NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	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 34-130	62-104 62-104								
04-100	02-104								

Ball Bearing Reference Guide For Quadra-Cut[™] 4 Cutter Router Bits

ITEM	BEARING	ITEM	BEARING
NO.	NO.	NO.	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



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.

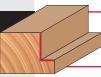




		7	
	Fixed Wing Cutters	336	Profile Knife RS-H Raised Panel Door
276-277	Straight Edge Cutter	337	Profile Knife RS-H Glass Panel Door
	Groovers	338	Profile Knife RS-I Raised Panel Door
278	Wedge Tongue & Groove Cutters	339	Profile Knife RS-I Glass Panel Door
	Reversible Glue Joint Cutter		One Piece Door Edge Profile Cutters
	Glue Joint Cutters		Two Piece Door Edge Profile Cutters
	Tongue & Groove Lock Miter Cutters		Profile Knife DE32-A
	Drawer Lock Cutters		Profile Knife DE32-B
	V Paneling Cutter Set		Profile Knife DE32-C
	Door Lip Cutters		Profile Knife DE32-D
	Combination 1/4" & 1/2" Round Over Cutters		Profile Knife DE32-E
	Convex Radius Cutters		Profile Knife DE32-F
	Concave Radius Cutters		Profile Knife DE32-G
	Combination Convex & Concave Cutters		Profile Knife DE32-H
	Roman Ogee Cutters		Profile Knife DE32-I
	Matched Reverse Detail Cutters		Profile Knife DE32-J
	3/4" Stock Male & Female Cabinet Door Cutter Set		Profile Knife DE32-K
	1" Stock Male & Female Door Cutter Set		Profile Knife DE32-L
	1-3/8" Stock Male & Female Interior Door Cutter Set		Profile Knife DE32-M
	1-3/4" Stock Male & Female Exterior Door Cutter Set		Concave Radius Knives & Head
	Freud Innovation - 2+2 Advance Cutter Design		Combination QTR Round Convex & Concave
	2+2 Advanced Cutter Design for 5/8" Stock	0.0	
	Backcutter for 2+2 Advanced Cutter Design		Parts & Accessories
	2+2 Advanced Cutter Design for 3/4" Stock	349	Bushing Selection
	2+2 Advanced Cutter Design for Double Sided Panels		Flange Bushings
	Vertical Raised Panel Cutter		Center Cutter Bushings
	Duplex Multi-Profile Raised Panel Cutter		Cassette 65 Bushings
0.0	Daplox main From Halbou Faile. Catter		Woodworking Box Bushings
	Performance System® Cutters		Precision Shim Sets
311	Performance Advantage		Rub Collar Setup & Selection Chart
	RP1000 & RP2000 Panel Raising Systems		Ball Bearing Rub Collars
	Profile Knife RP-A		Ball Bearing Rub Collars Reference Chart
	Profile Knife RP-A34		RP2000 Raised Panel System Replacement Knives
	Profile Knife RP-B		RS2000 Rail and Stile Door System
	Profile Knife RP-B34		Replacement Knives
	Profile Knife RP-C	356-357	Carbide Insert Knives
	Profile Knife RP-C34	356	Straight Knives - Turnover Knives
	Profile Knife RP-D	357	Straight Cutting Edge with Rounded Corners
	Profile Knife RP-D34	357	Cutting Edge with Radius and Standard Corners
317	Profile Knife RP-E	357	Cutting Edge with Radius and Corners
	Profile Knife RP-E34		High Speed Steel Industrial Planer & Jointer Knives
	RP-OPS Back-Cutter for Raised Panels	359	Biscuit/Plate Joiner Replacement Blade
	RP-OPB Back-Cutter for Raised Panels		
	RS1000 & RS2000 Rail & Stile Door System		\(\(\sigma\)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	Profile Knife RS-A Raised Panel Door		
323	Profile Knife RS-A Glass Panel Door	- 1	
324	Profile Knife RS-B Raised Panel Door	(24)	
325	Profile Knife RS-B Glass Panel Door	7	
326	Profile Knife RS-C Raised Panel Door	77	·
327	Profile Knife RS-C Glass Panel Door	-	
328	Profile Knife RS-D Raised Panel Door		
329	Profile Knife RS-D Glass Panel Door		
	Profile Knife RS-E Raised Panel Door		
	Profile Knife RS-E Glass Panel Door		
220	Profile Knife DS E Paised 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

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 dadoes.





Hardwood

Softwood

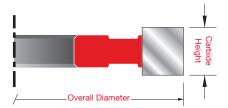


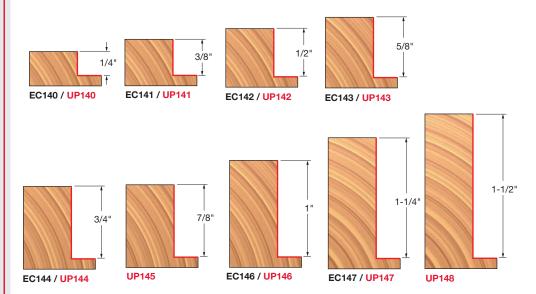


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Plywood

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#





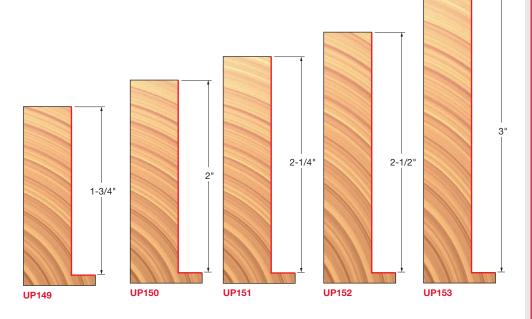


Straight Edge Cutters



FIXED WING CUTTER

CONTINUED



USE IN



Shaper Machine

APPLICATION

Computer balanced for super smooth, chatter-free cutting. Straight profile for making precise rabbets and dadoes.

MATERIALS





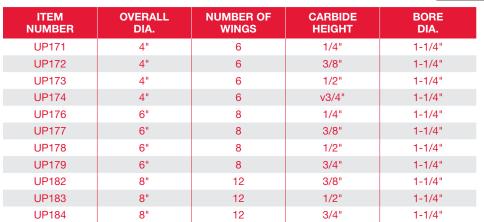
Hardwood

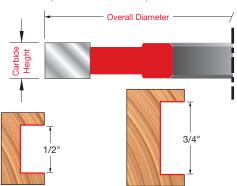


MDF

Plywood

Groovers





1/4

UP171 / UP176

Black Item Numbers

Indicate 3/4" Bore

3/8"

UP173 / UP178 / UP183 UP172 / UP177 / UP182



FIXED WING CUTTER

USE IN



Shaper Machine

APPLICATION

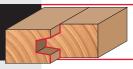
Excellent for use on shapers and cope spindles of double end tenoners

MATERIALS



UP174 / UP179/ UP184

FIXED WING CUTTER



Wedge Tongue & Groove Cutters

USE IN



Shaper Machine

APPLICATION

Increase the amount of gluing area for maximum strength

MATERIALS





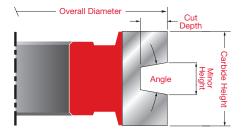


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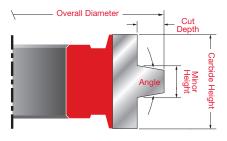
Plywood

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





FIXED WING CUTTER

USE IN



Shaper Machine

APPLICATION

Produce a strong joint by increasing the surface area for the glue

MATERIALS

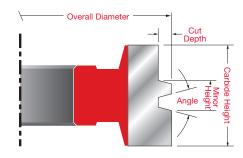






Reversible Glue Joint Cutters

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"







MDF

Plywood

Glue Joint Cutters

ANGLE

32°

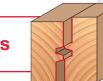
32°

MINOR

HEIGHT

49/64"

13/32"



BORE

DIAMETER

1-1/4"

1-1/4"

FIXED WING CUTTER

USE IN



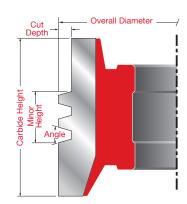
Shaper Machine

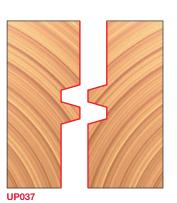
APPLICATION

Produce a strong joint by increasing the surface area for the glue

MATERIALS







OVERALL

DIA.

3-9/16"

3-9/16"

UP035

CUT

DEPTH

13/64"

13/64"

CARBIDE

HEIGHT

2-3/8"

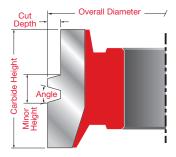
1-23/32"

ITEM

NUMBER

UP035

UP037





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





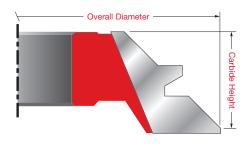


MDF

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



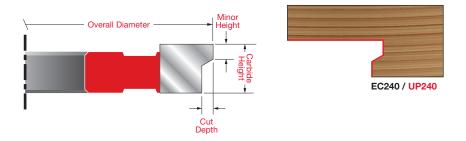






Drawer Lock Cutters

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"



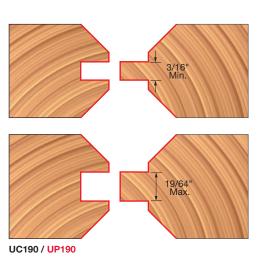


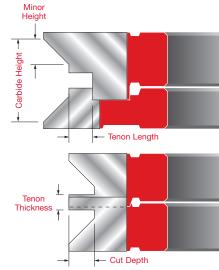
V-Paneling Cutter Sets

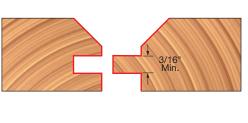
ITEM NUMBER	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	MINOR HEIGHT	TENON THICKNESS	TENON LENGTH	BORE DIA.
UP190	4-1/8"	19/64"	31/32"- 1-5/64"	19/64"	3/16"- 19/64"	19/64"	1-1/4"
UP191	4-1/8"	9/32"	1-1/16"- 1-3/16"	19/64"	3/16"-5/16"	9/32"	1-1/4"

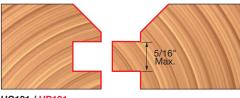
Number of Set: 4

IT NUN

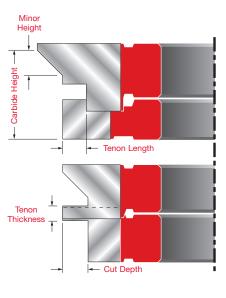












FIXED WING CUTTER

USE IN



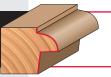
Shaper Machine

APPLICATION

Produce a strong joint by increasing the surface area for the glue



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



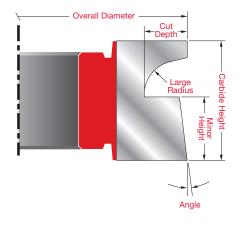


MDF



Plywood

ITEM **OVERALL** CUT CARBIDE **MINOR** LARGE BORE **ANGLE NUMBER** DIA. **DEPTH HEIGHT HEIGHT RADIUS** DIA. 7° 3/4" EC001 2-7/8" 29/64" 1-1/4" 43/64" 23/64" UP001 3-9/16" 29/64" 1-1/4" 43/64" 23/64" 1-1/4"





FIXED WING 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

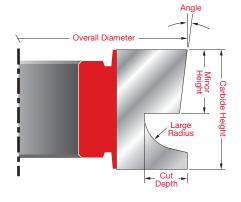


MDF

Plywood

Door Lip Cutter

ITEM NUMBER	OVERALL DIA.		CARBIDE HEIGHT			ANGLE	BORE DIA.
UP002	3-9/16"	29/64"	1-1/4"	43/64"	23/64"	7°	1-1/4"





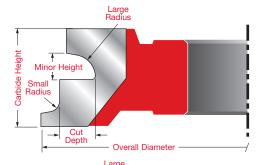
Door Lip Cutters

FIXED WING CUTTER

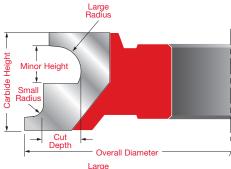
CONTINUED

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"

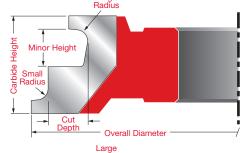




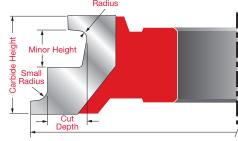




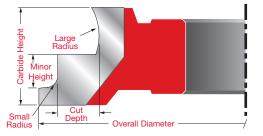












USE IN



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.



freud_{® 283}

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







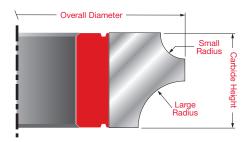


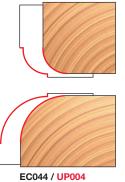
MDF

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"

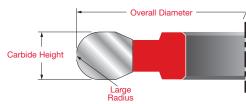




Convex Radius Cutters



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"









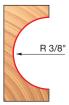
EC102 / UP102



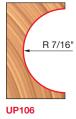
EC103 / UP103

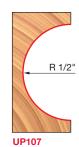


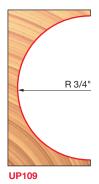
EC104 / UP104

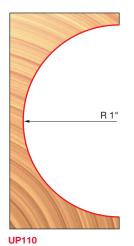


EC105 / UP105









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.



freud_{® 285}

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



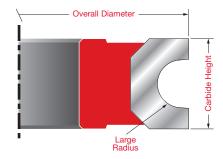


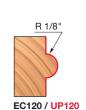
Hardwood Softwood

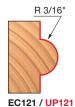


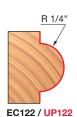


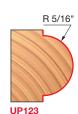
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	BORE DIAMETER
EC120	2-7/8"	5/8"	1/8"	3/4"
EC121	2-7/8"	25/32"	3/16"	3/4"
EC122	2-7/8"	15/16"	1/4"	3/4"
EC124	2-7/8"	1-1/4"	3/8"	3/4"
UP120	3-9/16"	21/32"	1/8"	1-1/4"
UP121	3-9/16"	13/16"	3/16"	1-1/4"
UP122	3-9/16"	31/32"	1/4"	1-1/4"
UP123	3-9/16"	1-1/8"	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"

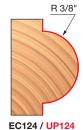


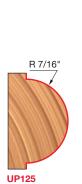


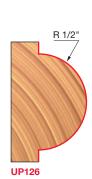


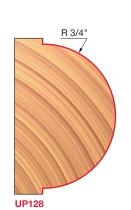














Black Item Numbers Indicate 3/4" Bore

Red Item Numbers Indicate 1-1/4" Bore

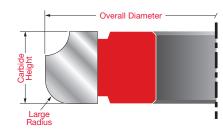
All Profile Drawings 1:1 Scale

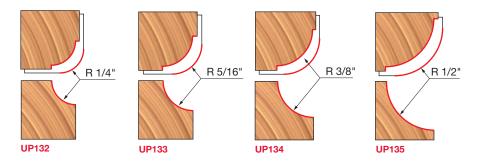
UP129

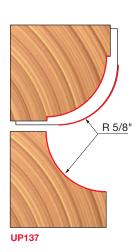


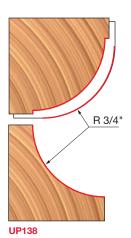
Combination Convex & Concave Cutters

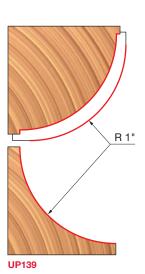
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	BORE DIAMETER
UP132	3-9/16"	3/4"	1/4"	1-1/4"
UP133	3-9/16"	63/64"	5/16"	1-1/4"
UP134	3-9/16"	1-1/64"	3/8"	1-1/4"
UP136	4-1/4"	1-23/64"	1/2"	1-1/4"
UP137	4-11/16"	1-35/64"	5/8"	1-1/4"
UP138	4-11/16"	1-53/64"	3/4"	1-1/4"
UP139	5-1/8"	2-1/4"	1"	1-1/4"











FIXED WING CUTTER

USE IN



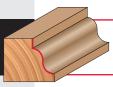
Shaper Machine

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.



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





Hardwood Softwood



MDF

Plywood

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"

Matched Reverse Detail Cutters

CARBIDE

HEIGHT

1-3/32"

1-3/32"

1-3/32"

63/64"

63/64"

23/64"

63/64"

63/64"

63/64"

MINOR

HEIGHT

23/64"

5/16"

1/2"

33/64"

33/64"

19/32"

23/64"

3/4"

17/64"

LARGE

RADIUS

11/64"

5/32"

15/64"

13/64"

23/64"

15/64"

23/64"

5/16"

SHANK

DIA.

_

23°

BORE

DIA.

1-1/4"

1-1/4"

1-1/4"

1-1/4"

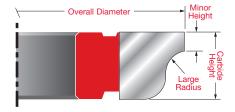
1-1/4"

1/1/4"

1-1/4"

1-1/4"

1-1/4"





FIXED WING CUTTER

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





Softwood

MDF

Plywood

m Ĥ В

OVERALL

DIA.

3-15/16"

3-15/16"

3-15/16"

3-15/16"

3-15/16"

3-15/16"

3-15/16"

3-15/16"

4-1/8"

CUT

DEPTH

25/64"

15/32"

5/8"

33/64"

43/64"

63/64"

3/4"

19/32"

5/8"

Cut Depth

ITEM

NUMBER

UP280

UP281

UP282

UP283

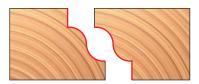
UP284

UP285

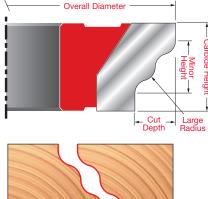
UP286

UP287

UP288



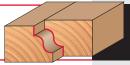
Black Item Numbers Indicate 3/4" Bore





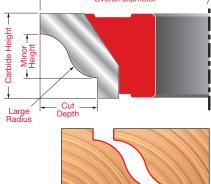


Matched Reverse Detail Cutters

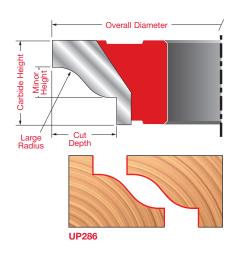


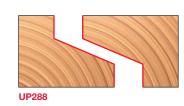
FIXED WING CUTTER

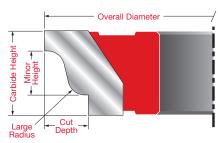
CONTINUED Overall Diameter Carbide Height — **UP282** Overall Diameter -

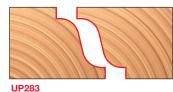


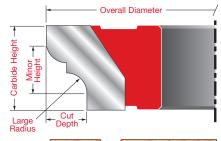
UP284



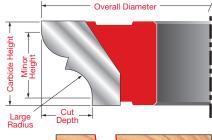




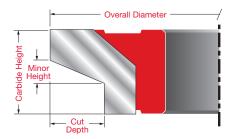












USE IN



Shaper Machine

APPLICATION

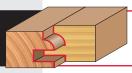
These cutters have perfectly matched profiles which enable both the molding cut and a matching coping cut with the same cutter



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





Hardwood

Softwood

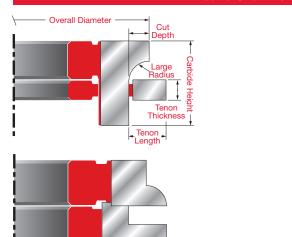




									RUB
NO.	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	TENON THICKNESS	TENON LENGTH	LARGE RADIUS	SMALL RADIUS	BORE DIA.	COLLAR NO.
				Round Over I	Profile				
EC260	2-7/16"	15/64"	1"	15/64"	7/16"	15/64"	_	3/4"	RC-001
UP260	3-9/16"	15/64"	1"	15/64"	7/16"	15/64"	_	1-1/4"	RC30#
			R	loman Ogee	Profile				
EC261	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 (Dou	ıble Side	d)			
UP262	3-9/16"	15/64"	1-1/16"	15/64"	7/16"	1/8"	_	1-1/4"	RC30#
				Bead Prof	ile				
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 Prof	file				
UP264	3-9/16"	11/32"	1"	15/64"	7/16"	9/64"	_	1-1/4"	RC30#

Number of Pieces: 4

Round Over Profile

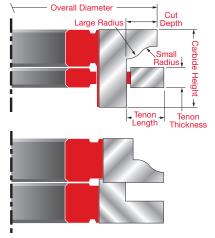




EC260 / UP260



Roman Ogree Bits





EC261 / UP261

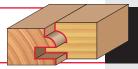


EC261 / UP261





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



FIXED WING CUTTER

CONTINUED

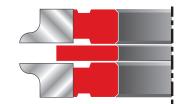




UP262

Overall Diameter Cut Depth Carbide Height Large Radius Tenon Thickness Tenon Length

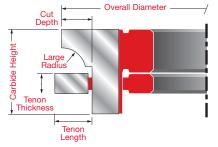




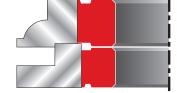
Bead Profile



EC263 / UP263



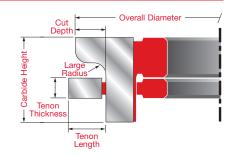


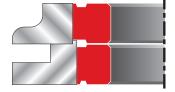


Ogee Profile









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.





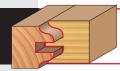
Hardwood



MDF

Plywood

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







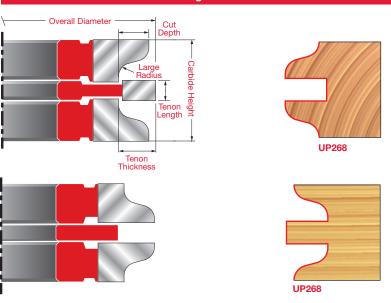
MDF

Plywood

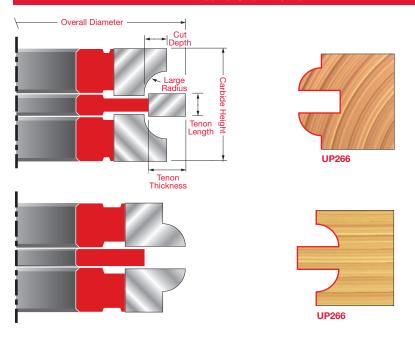
ITEM NO.	OVERALL DIA.	CUT DEPTH	CARBIDE HEIGHT	TENON THICKNESS	TENON LENGTH	LARGE RADIUS	BORE DIA.	RUB COLLAR NO.				
	Ogee Profile (Double Sided)											
UP268	3-9/16"	23/64"	1-3/16"	15/64"	7/16"	5/32"	1-1/4"	RC30#				
	Round Over Profile (Double Sided)											
UP266	3-9/16"	15/64"	1-3/16"	15/64"	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



Round Over Profile







292 freud.

1" Stock Male & Female Door Cutter Sets

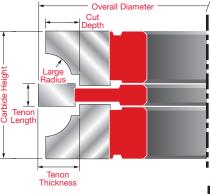


FIXED WING CUTTER

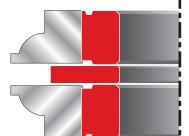
CONTINUED

Round Over Profile









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







MDF

Plywood

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

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"	_		
		Class	sical Cove	e & Bead	Profile (Dou	ıble Sid	ed)				
UP269	3-9/16"	1-37/64"	7/8"	-	15/64"	33/64"	13/64"	1-1/4"	RC20#		
			Round O	ver Profil	le (Double S	ided)					
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

FIXED WING CUTTER

USE IN



Shaper Machine

APPLICATION

Creates rail and stile for standard 1-3/8" thick interior doors. Cuts both molding and coping cuts.





MDF

Plywood

FIXED WING CUTTER



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

USE IN



Shaper Machine

APPLICATION

Creates rail and stile for standard 1-3/8" thick interior doors. Cuts both molding and coping cuts.

MATERIALS

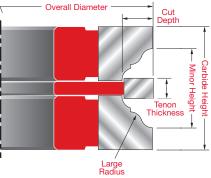




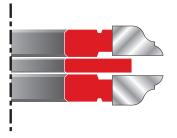




Classical Profile (Double Sided)



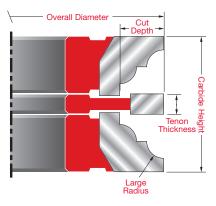


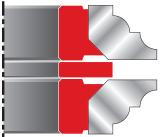




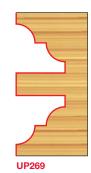
CONTINUED

Classical Cove & Bead Profile (Double Sided)











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

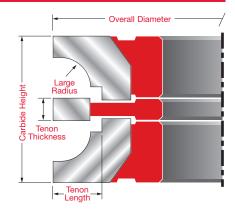


FIXED WING CUTTER

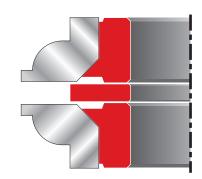
CONTINUED

Round Over Profile (Double Sided)



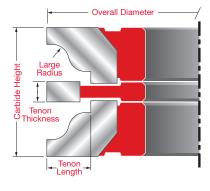




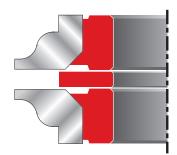


Ogee Profile (Double Sided)









USE IN



Shaper Machine

APPLICATION

Creates rail and stile for standard 1-3/8" thick interior doors. Cuts both molding and coping cuts.





Hardwood



MDF

Plywood

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.

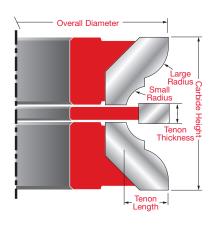
MATERIALS



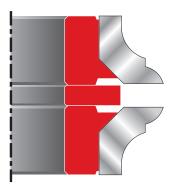
ITEM NO.	OVERALL DIA.	CARBIDE HEIGHT	MINOR HEIGHT	TENON THICK- NESS	TENON LENGTH	LARGE RADIUS	SMALL RADIUS	BORE DIA.	RUB COLLAR NO.		
Cove & Round Profile (Double Sided)											
EC091	2-7/8"	1-47/64"	_	15/64"	1/2"	21/64"	9/32"	3/4"	-		
UP091	3-9/16"	1-47/64"	-	15/64"	1/2"	21/64"	9/32"	1-1/4"	-		
		C	ove & Be	ad Profil	e (Double	Sided)					
UP273	3-13/16"	1-27/32"	1-29/64"	15/64"	43/64"	21/32"	-	1-1/4"	RC20#		
			Bead P	rofile (D	ouble Sid	ed)					
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



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

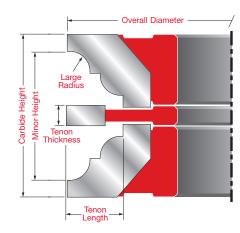


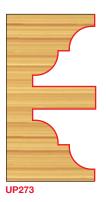
FIXED WING CUTTER

CONTINUED

Cove & Bead Profile (Double Sided)









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.



MDF

Plywood

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





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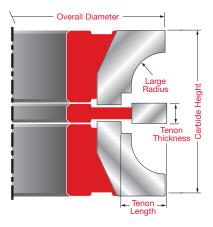
Softwood



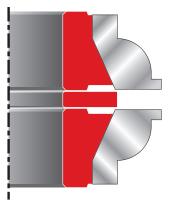
MDF

Plywood

Bead Profile (Double Sided)

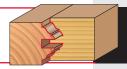








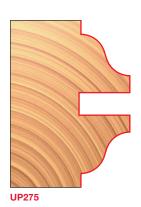
1-3/4" Stock Male & Female **Exterior Door Cutter Sets**

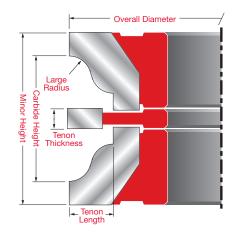


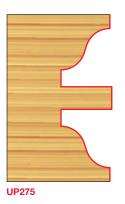
FIXED WING CUTTER

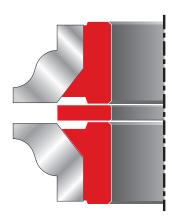
CONTINUED

Ogee Profile (Double Sided)









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.





MDF



Plywood

ADVANCED 22 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

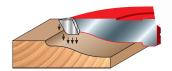
Micro-grain carbide allows for superior finish with a dramatically longer cutting life

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



5-1/2"x27/32"x1-1/4" 01/17 MAN HW n.max= 10.000 rpm

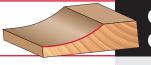


The large wing shears up for a perfect finish on the raised panel profile

Interchangeable Knife Design

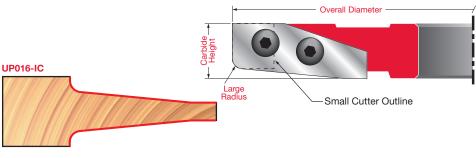
Knifes are easily interchanged during sharpening for reduced tooling costs and minimal downtime

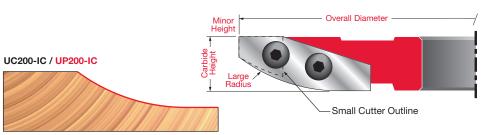
2+2 Advanced Cutter Design For 5/8" Stock

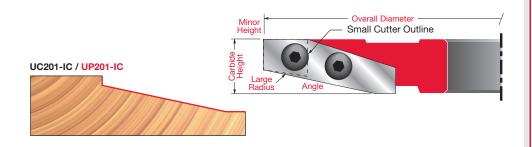


CARBIDE INSERT CUTTER

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*







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









MDF

Plywood

Replacement Parts Kit U_IC_SPAREincludes screws, washers, wrench

Replacement Knife Kit includes all knives needed



CARBIDE INSERT CUTTER

2+2 Advanced Cutter Design For 5/8" Stock

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





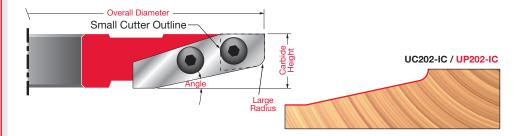
Tidiawood

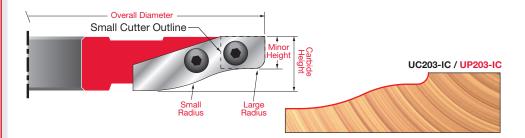


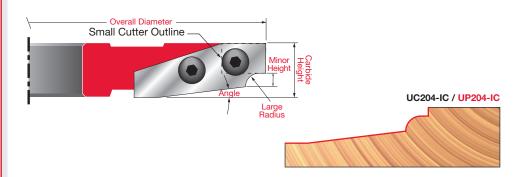
MDF

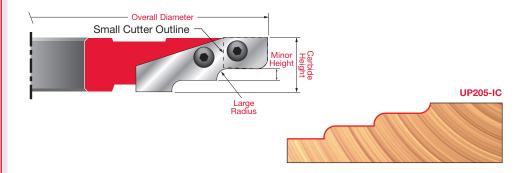
Plywood

CONTINUED







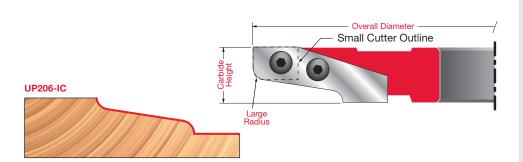


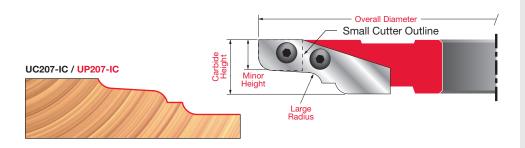


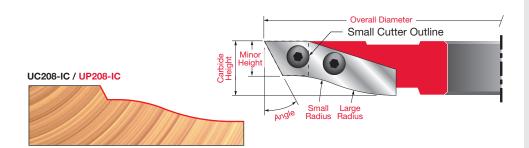
2+2 Advanced Cutter Design For 5/8" Stock

CARBIDE INSERT CUTTER

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









MDF

Plywood

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

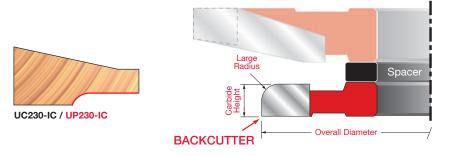
Use the 1-1/4" bore cutters with Panel Cutters UP200-IC through UP208-IC

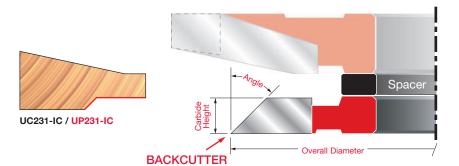
Use 3/4" bore cutters with Panel Cutters UC200-IC through UC208-IC

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



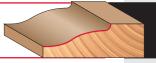
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	LARGE RADIUS	ANGLE	OVERALL LENGTH	REPLACEMENT KNIVES
UC230-IC	3-11/32"	3/8"	13/64"	-	3/4"	ICK-U230
UP230-IC	3-15/16"	3/8"	13/64"	-	1-1/4"	ICK-U230
UC231-IC	3-45/64"	3/8"	_	45°	3/4"	ICK-U231
UP231-IC	4-9/32"	3/8"	-	45°	1-1/4"	ICK-U231





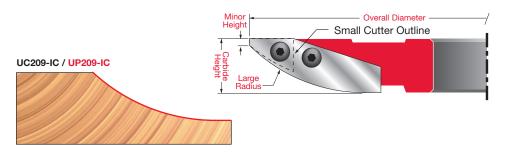


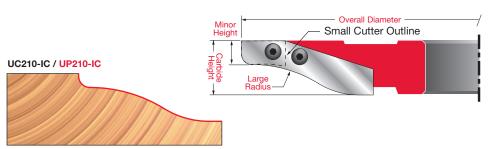
2+2 Advanced Cutter Design For 3/4" Stock

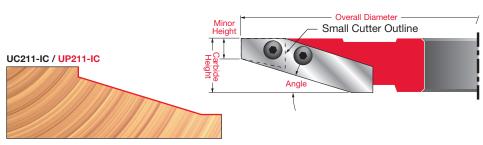


CARBIDE INSERT CUTTER

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	51/2"	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







"#" 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

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.







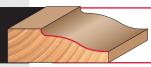


MDF

Plywood

freud, 305

CARBIDE INSERT CUTTER



2+2 Advanced Cutter Design For 3/4" Stock

USE IN



Shaper Machine

APPLICATION

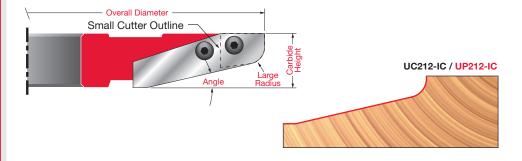
Designed for 3/4" thick panels. The small cutter, with opposite shear angle, will push wood fibers down and shear them off leaving a crisp edge at the top of the panel, even on cross grain.

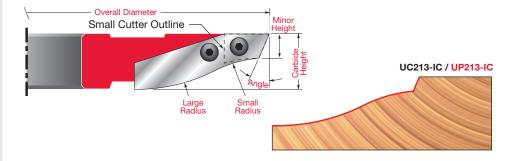


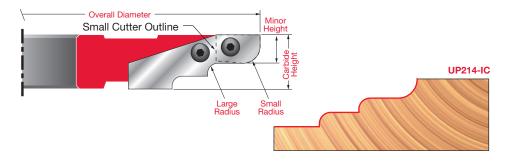
MDF

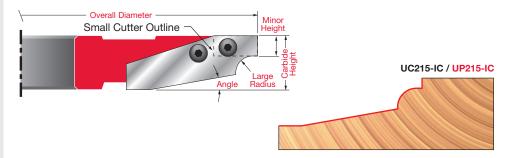
Plywood

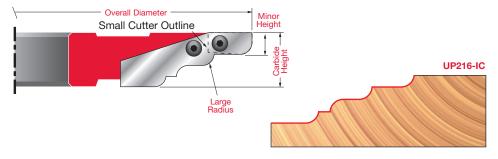
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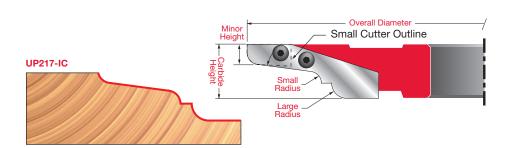


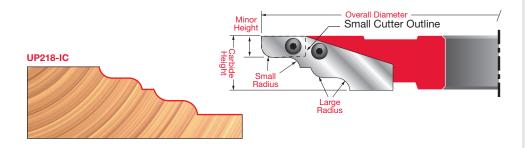
2+2 Advanced Cutter Design For 3/4" Stock

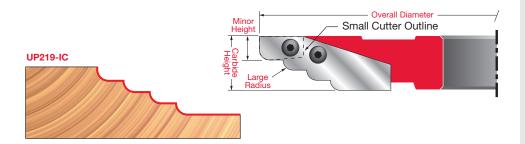


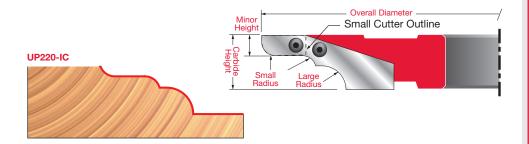
CARBIDE INSERT CUTTER

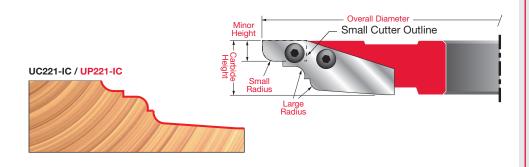
CONTINUED











USE IN



Shaper Machine

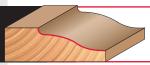
APPLICATION

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.



Plywood

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.

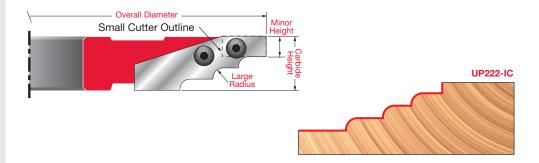


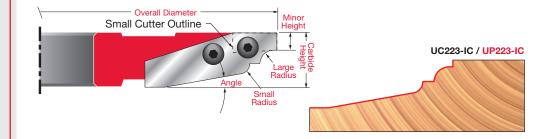




MDF

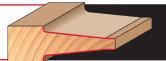
Plywood





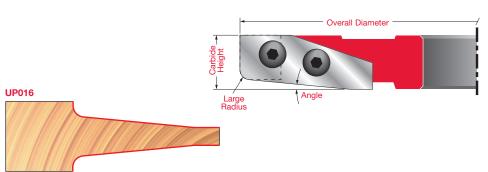


2+2 Advanced Cutter Design For Double-Sided Panels



CARBIDE INSERT CUTTER





USE IN



Shaper Machine

APPLICATION

Ideal for double-sided raised panel interior and exterior doors

MATERIALS





Hardwood





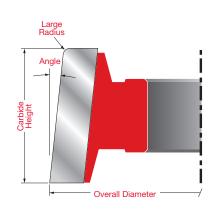
MDF

Plywood

Vertical Insert Raised Panel Cutter

ITEM	OVERALL	CARBIDE	LARGE	ANGLE	BORE
NUMBER	DIA.	HEIGHT	RADIUS		DIA.
UP003	3-9/16"	1-57/64"	5/64"	6°	1-1/4"





CARBIDE INSERT CUTTER

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

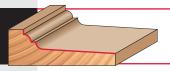




MDF

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





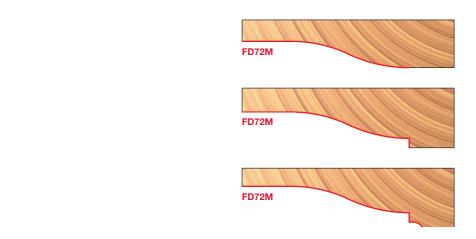
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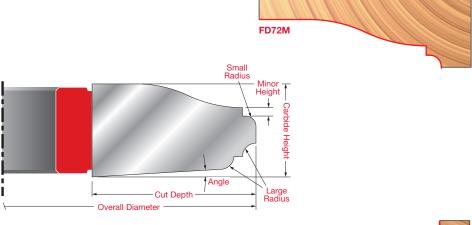
Softwood

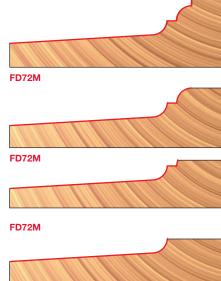
MDF

Plywood

ITEM	OVERALL	CUT	CARBIDE	MINOR	LARGE	SMALL	ANGLE	BORE
NUMBER	DIA.	DEPTH	HEIGHT	HEIGHT	RADIUS	RADIUS		DIA.
FD72M	5-29/32"	1-7/8"	1-5/64"	3/32"	5/32"	1/8"	3.5°	1-1/4"









FD72M

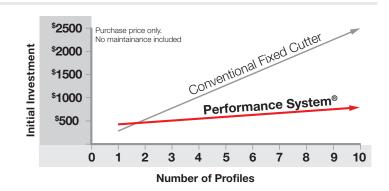
PERFORMANCE ADVANTAGE

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.



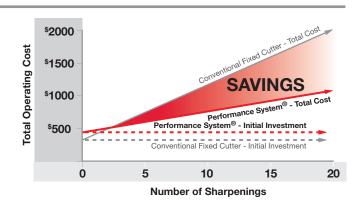
Performance System® Conventional Fixed Cutter 0 \$25 \$50 \$75 \$100

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

RP1000 & RP2000 Panel Raising Systems

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

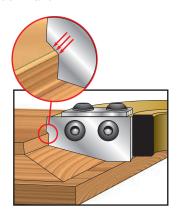




Splinter Free Cuts

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	PART	BORE	RUB COLLAR	OVERALL
NUMBER	DESCRIPTION	DIAMETER	NUMBER	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

PERFORMANCE SYSTEM® CUTTERS

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.

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





Hardwood



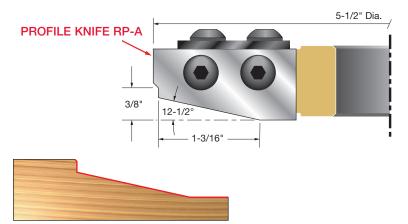
MDF

Plywood

Profile Knife RP-A

PERFORMANCE SYSTEM® CUTTERS

Uses: Knife RP-A and Head RP1000



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.







Plywood

MDF Plywo

^{**} For 3/4" raising 3/4" thick panels.

PERFORMANCE SYSTEM® CUTTERS

Profile Knife RP-A34

USE IN



Shaper Machine

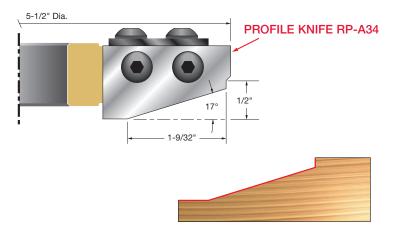
APPLICATION

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



Uses: Knife RP-A34 and Head RP1000



PERFORMANCE SYSTEM® CUTTERS

Profile Knife RP-B

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

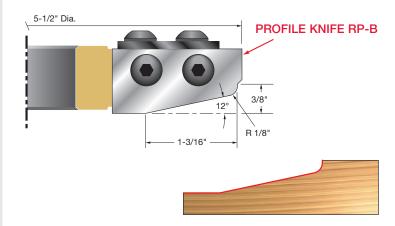




MDF

Plywood

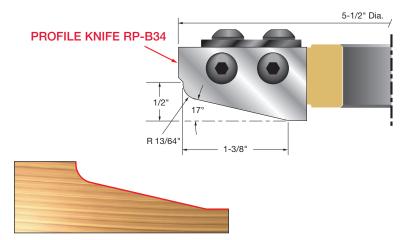
Uses: Knife RP-B and Head RP1000



Profile Knife RP-B34

PERFORMANCE SYSTEM® CUTTERS

Uses: Knife RP-B34 and Head RP1000



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



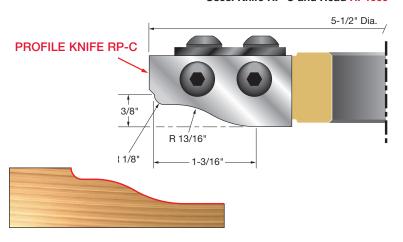
MDF

Plywood

Profile Knife RP-C

PERFORMANCE SYSTEM® CUTTERS

Uses: Knife RP-C and Head RP1000



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.







MDF

Plywood

PERFORMANCE SYSTEM® CUTTERS

Profile Knife RP-C34

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.

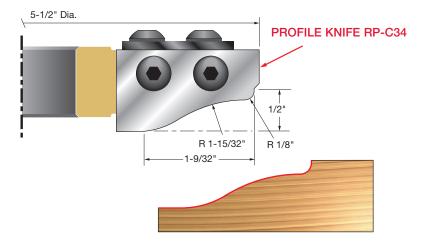
MATERIALS



MDF

Plywood

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

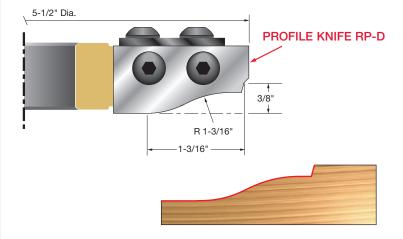




MDF

Plywood

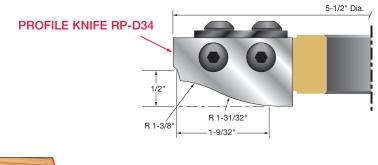
Uses: Knife RP-D and Head RP1000



Profile Knife RP-D34

PERFORMANCE SYSTEM® CUTTERS

Uses: Knife RP-D34 and Head RP1000





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



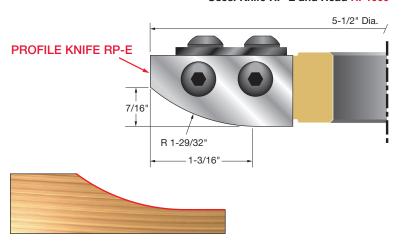
MDF

Plywood

Profile Knife RP-E

PERFORMANCE SYSTEM® CUTTERS

Uses: Knife RP-E and Head RP1000



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.





Hardwood



MDF

Plywood

freud_{® 317}

PERFORMANCE SYSTEM® CUTTERS

Profile Knife RP-E34

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 So

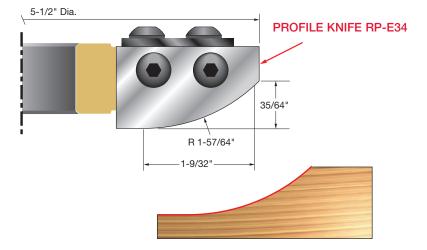
Softwood



MDF

Plywood

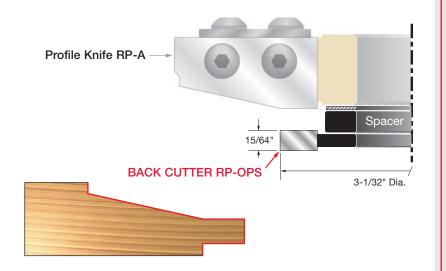
Uses: Knife RP-E34 and Head RP1000



RP-OPS Back-Cutter For Performance System® Raised Panel Cutters

PERFORMANCE SYSTEM® CUTTERS

Uses: Knife RP-A, Head RP1000 and Back Cutter RP-OPS



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







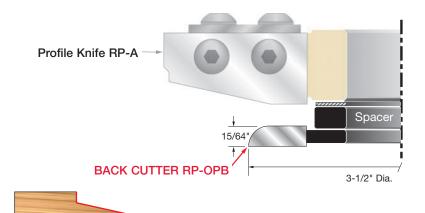
MDF

Plywood

RP-OPB Back-Cutter For Performance System® Raised Panel Cutters

PERFORMANCE SYSTEM® CUTTERS

Uses: Knife RP-A, Head RP1000 and Back Cutter RP-OPB



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.





Hardwood



MDF

Plywood

freud.310

RS1000 & RS2000 Rail & Stile Door Systems

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



Plywood



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 knifes)

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	_	_	_

[&]quot;#" Determines bore size. See Bushing & Rub Collars for bore selection.

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



MDF

Plywood

^{*} Glass Door and Back Tenon knife for Head RS-S

^{**}Groover Knives for Head RS-R



Profile Knife RS-A Raised Panel Door Set-Up

USE IN



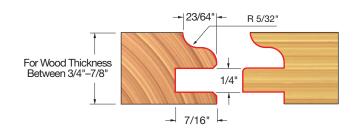
Shaper Machine

APPLICATION

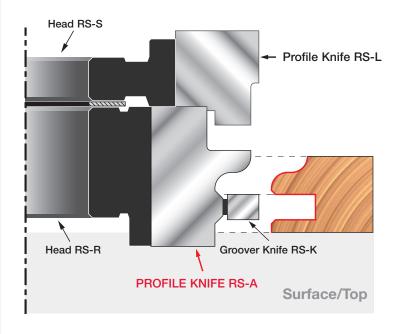
Constructing raised panel doors with eased over edges on the inside of the panel groove for less splintering, easier finishing, and easier insertion of panels. Shimming should be done between the cutter heads to achieve the fit required.

MATERIALS



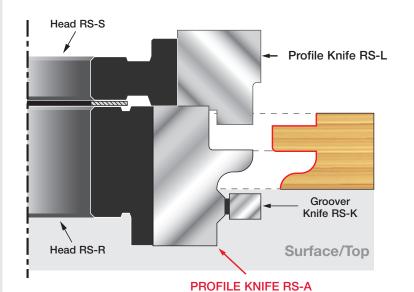


Uses: Knife RS-A, Knife RS-L, Head RS-R, and Head RS-S





Spindle in Starting Position for Profile Cut





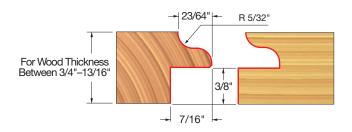
Spindle Lowered for Cope Cut



Profile Knife RS-A Glass Panel Door Set-Up



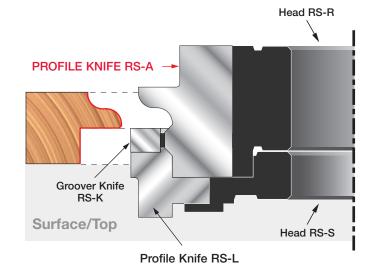
PERFORMANCE SYSTEM® CUTTERS



Uses: Knife RS-A, Knife RS-L, Head RS-R, and Head RS-S

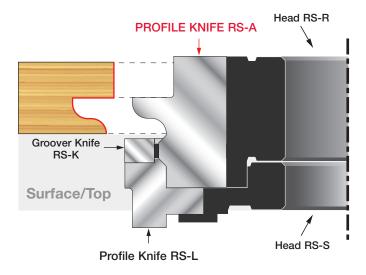


Spindle in Starting Position for Profile Cut





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.



freud_{® 323}



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

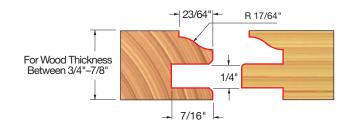




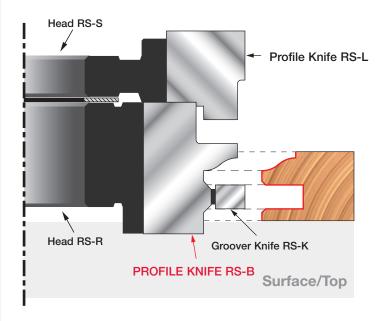


MDF

Plywood

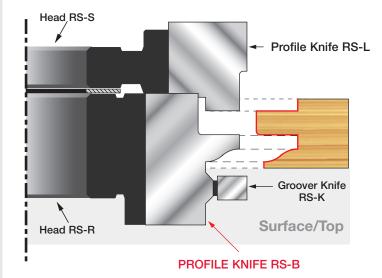


Uses: Knife RS-B, Knife RS-L, Head RS-R, and Head RS-S





Spindle in Starting Position for Profile Cut





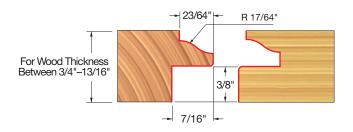
Spindle Lowered for Cope Cut



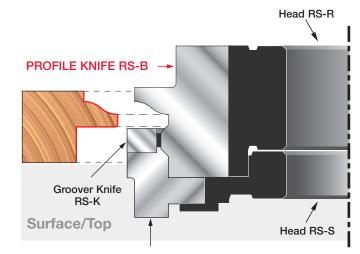
Profile Knife RS-B Glass Panel Door Set-Up



PERFORMANCE SYSTEM® CUTTERS



Uses: Knife RS-B, Knife RS-L, Head RS-R, and Head RS-S



PROFILE KNIFE RS-B

Profile Knife RS-L



Spindle in Starting Position for Profile Cut



Groover Knife
RS-K
Surface/Top
Head RS-S
Profile Knife RS-L

USE IN



Shaper Machine

APPLICATION

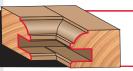
Allows for the insertion and removal of a glass panel on a rabbeted groove. Use a small molding to hold glass in place. No shimming should be needed.

MATERIALS



freud 325

Head RS-R



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



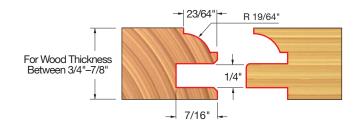




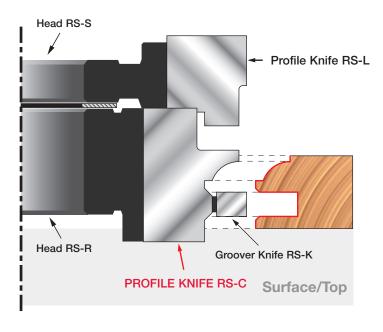


MDF

Plywood

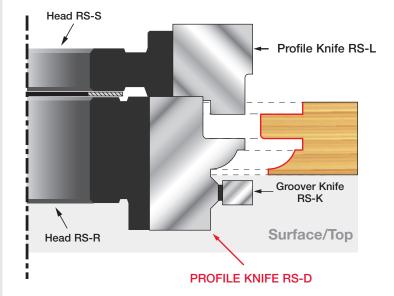


Uses: Knife RS-C, Knife RS-D, Knife RS-L, Head RS-R, and Head RS-S





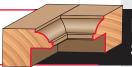
Spindle in Starting Position for Profile Cut



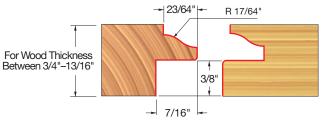


Spindle Lowered for Cope Cut

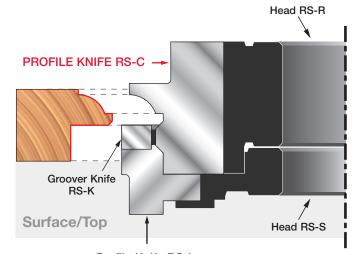
Profile Knife RS-C Glass Panel Door Set-Up



PERFORMANCE SYSTEM® CUTTERS



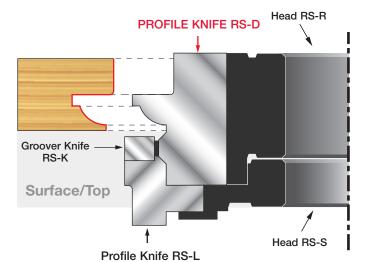
Uses: Knife RS-C, Knife RS-D, Knife RS-L, Head RS-R, and Head RS-S



Spindle in

Starting Position for Profile Cut











Shaper Machine

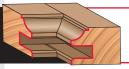
APPLICATION

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.





Spindle Lowered for Cope Cut



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



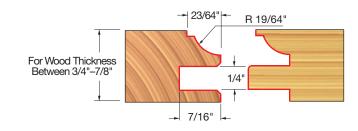




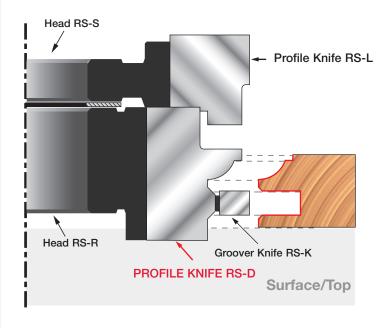


MDF

Plywood

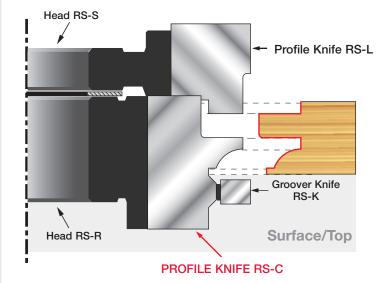


Uses: Knife RS-D, Knife RS-C, Knife RS-L, Head RS-R, and Head RS-S





Spindle in Starting Position for Profile Cut



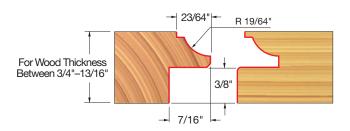


Spindle Lowered for Cope Cut

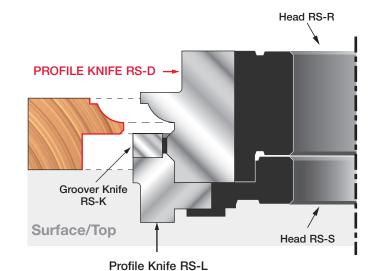
Profile Knife RS-D Glass Panel Door Set-Up



PERFORMANCE SYSTEM® CUTTERS



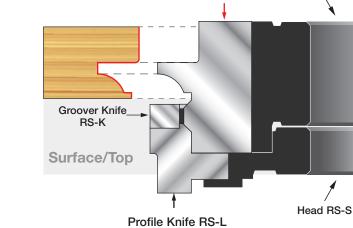
Uses: Knife RS-D, Knife RS-C, Knife RS-L, Head RS-R, and Head RS-S



PROFILE KNIFE RS-C Head RS-R



Spindle in Starting Position for Profile Cut



USE IN



Shaper Machine

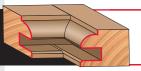
APPLICATION

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.





Spindle Lowered for Cope Cut



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

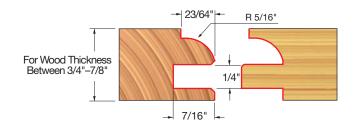




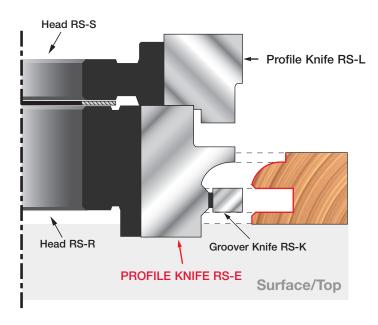


MDF

Plywood

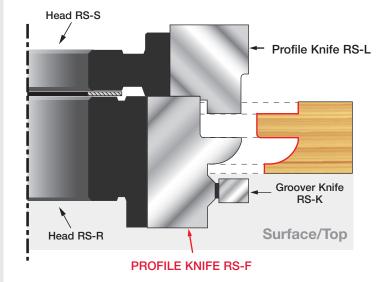


Uses: Knife RS-E, Knife RS-F, Knife RS-L, Head RS-R, and Head RS-S





Spindle in Starting Position for Profile Cut

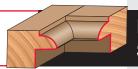




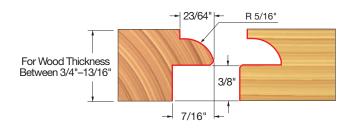
Spindle Lowered for Cope Cut



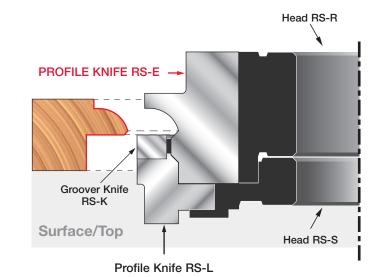
Profile Knife RS-E Glass Panel Door Set-Up



PERFORMANCE SYSTEM® CUTTERS



Uses: Knife RS-E, Knife RS-F, Knife RS-L, Head RS-R, and Head RS-S



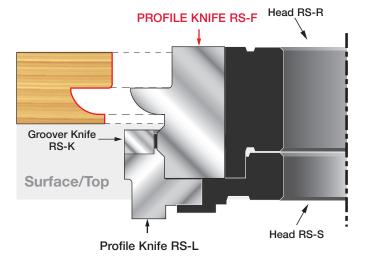


Spindle in Starting Position for Profile Cut



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.



freud, 331



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.

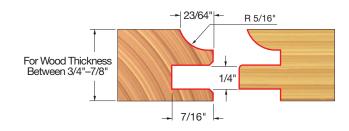
MATERIALS



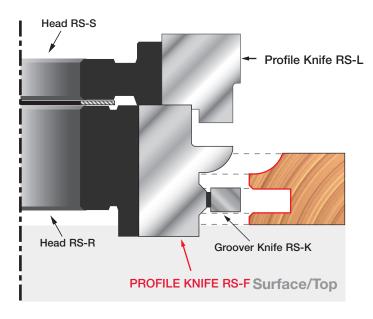


MDF

Plywood

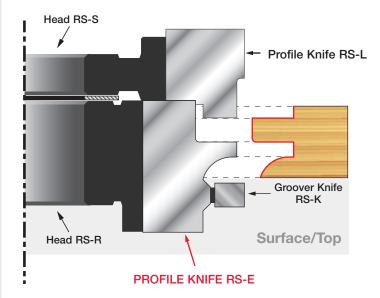


Uses: Knife RS-F, Knife RS-E, Knife RS-L, Head RS-R, and Head RS-S





Spindle in Starting Position for Profile Cut

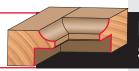




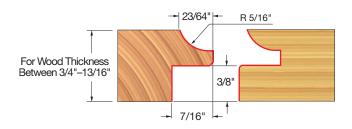
Spindle Lowered for Cope Cut



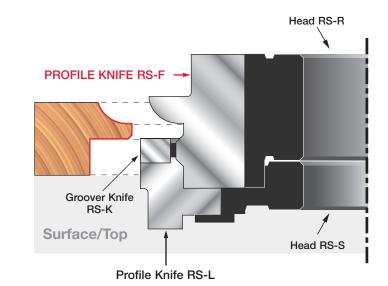
Profile Knife RS-F Glass Panel Door Set-Up



PERFORMANCE SYSTEM® CUTTERS

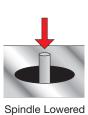


Uses: Knife RS-F, Knife RS-E, Knife RS-L, Head RS-R, and Head RS-S





Spindle in Starting Position for Profile Cut



for Cope Cut

Groover Knife RS-K
Surface/Top

Head RS-R

Head RS-R

Head RS-R

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.



freud, 333



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

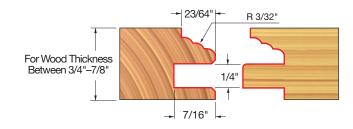




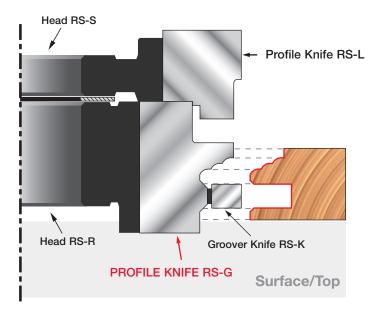


MDF

Plywood

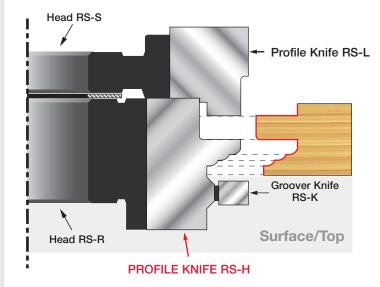


Uses: Knife RS-G, Knife RS-H, Knife RS-L, Head RS-R, and Head RS-S





Spindle in Starting Position for Profile Cut





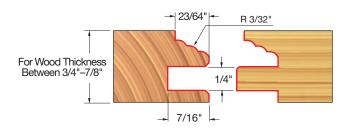
Spindle Lowered for Cope Cut



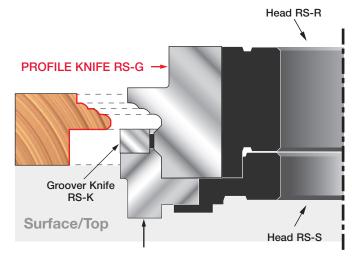
Profile Knife RS-G Glass Panel Door Set-Up



PERFORMANCE SYSTEM® CUTTERS

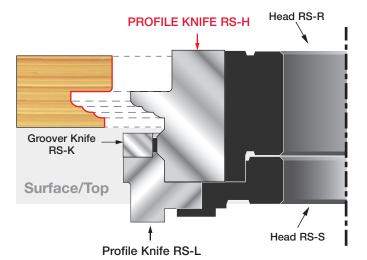


Uses: Knife RS-G, Knife RS-H, Knife RS-L, Head RS-R, and Head RS-S



Spindle in Starting Position for Profile Cut









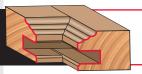
Shaper Machine

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.



Spindle Lowered for Cope Cut



Profile Knife RS-H Raised Panel Door Set-Up

USE IN



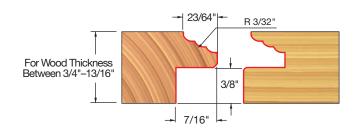
Shaper Machine

APPLICATION

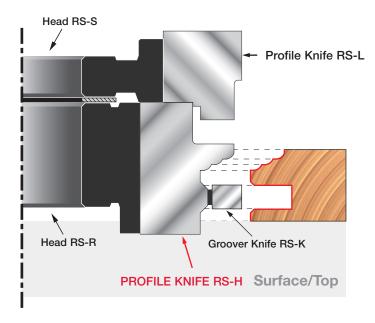
Constructing raised panel doors with eased over edges on the inside of the panel groove for less splintering, easier finishing, and easier insertion of panels. Shimming should be done between the cutter heads to achieve the fit required.

MATERIALS



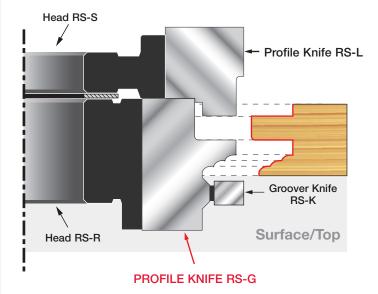


Uses: Knife RS-H, Knife RS-G, Knife RS-L, Head RS-R, and Head RS-S





Spindle in Starting Position for Profile Cut





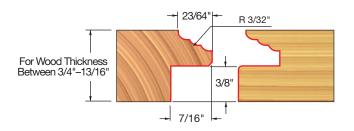
Spindle Lowered for Cope Cut



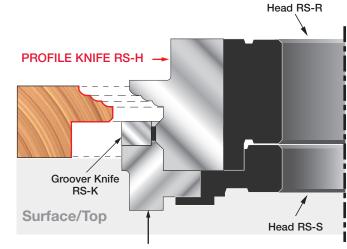
Profile Knife RS-H Glass Panel Door Set-Up



PERFORMANCE SYSTEM® CUTTERS



Uses: Knife RS-H, Knife RS-G, Knife RS-L, Head RS-R, and Head RS-S

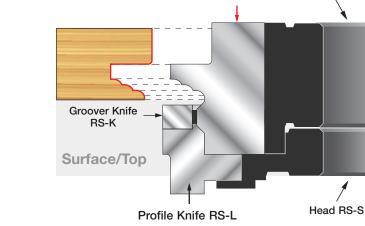


PROFILE KNIFE RS-G Head RS-R

Profile Knife RS-L



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.



freud_{® 337}



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

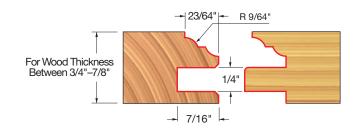
Softwood



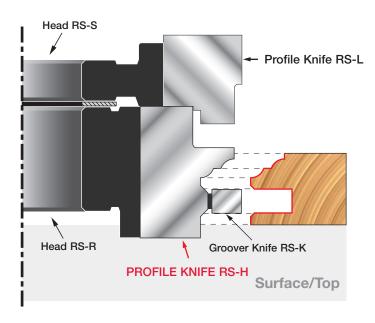


MDF

Plywood

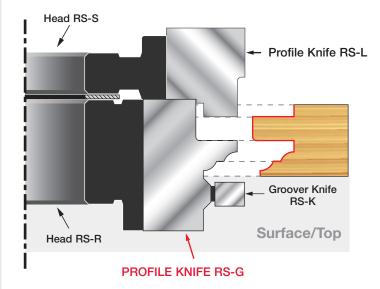


Uses: Knife RS-I, Knife RS-L, Head RS-R, and Head RS-S





Spindle in Starting Position for Profile Cut

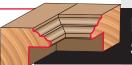




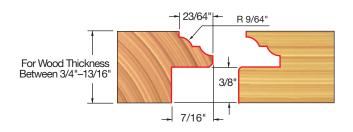
Spindle Lowered for Cope Cut



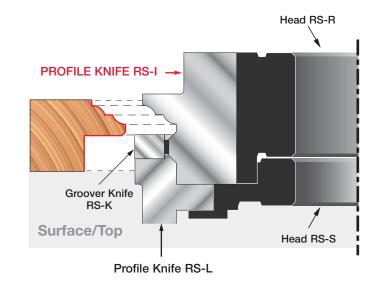
Profile Knife RS-I Glass Panel Door Set-Up



PERFORMANCE SYSTEM® CUTTERS

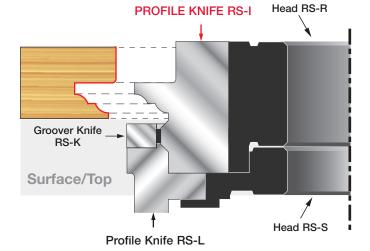


Uses: Knife RS-I, Knife RS-L, Head RS-R, and Head RS-S





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.



freud_{® 339}

One Piece Door Edge Profile 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





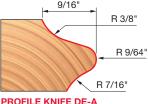
MDF

Plywood

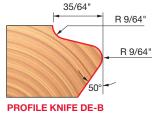
ITEM	OVERALL	CARBIDE	BORE	
NUMBER	DIA.	HEIGHT	DIAMETER	
DE-1000	3-63/64"	1-37/64"	1-1/4"	



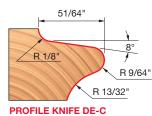
Cutterhead DE-1000



PROFILE KNIFE DE-A HEAD DE-1000

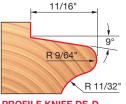


PROFILE KNIFE DE-E HEAD DE-1000

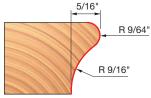


HEAD DE-1000

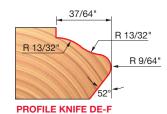
HEAD DE-1000



PROFILE KNIFE DE-D HEAD DE-1000



PROFILE KNIFE DE-E HEAD DE-1000

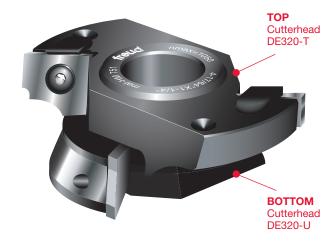


340 freud.

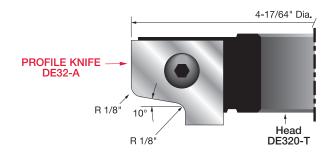
Two Piece 32mm Door Edge Profile Cutters

PERFORMANCE SYSTEM® 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"

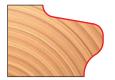


TOP PROFILE CUTTER KNIVES FOR CUTTERHEAD DE320-T





TOP: Profile Knife DE32-A Head DE320-T



TOP: Profile Knife DE32-A Head DE320-T

BOTTOM: Profile Knife DE32-J Head DE320-U



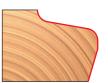
TOP: Profile Knife DE32-A Head DE320-T

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

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.



S

Two Piece 32mm **Door Edge Profile 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



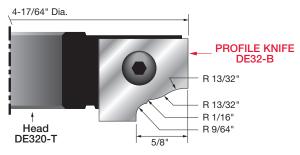


Hardwood

Softwood



MDF



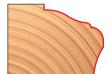


TOP: Profile Knife DE32-B Head DE320-T



TOP: Profile Knife DE32-B Head DE320-T

BOTTOM: Profile Knife DE32-J Head DE320-U



TOP: Profile Knife DE32-B Head DE320-T

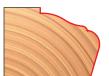
BOTTOM: Profile Knife DE32-K Head DE320-U



CONTINUED

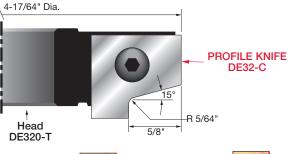
TOP: Profile Knife DE32-B Head DE320-T

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 DF320-T

BOTTOM: Profile Knife DE32-J Head DE320-U



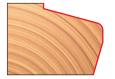
TOP: Profile Knife DE32-C Head DE320-T

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

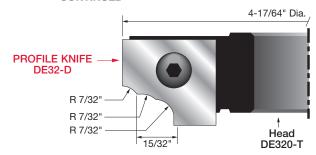
BOTTOM: Profile Knife DE32-M Head DE320-U



Two Piece 32mm Door Edge Profile Cutters

PERFORMANCE SYSTEM® CUTTERS

CONTINUED





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



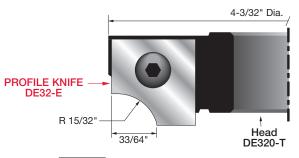
TOP: Profile Knife DE32-D Head DE320-T

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



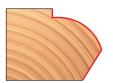
TOP: Profile Knife DE32-D Head DE320-T

BOTTOM: Profile Knife DE32-J Head DE320-U



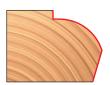
TOP: Profile Knife DE32-D Head DE320-T

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

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.



Hardwood S



MDF



Plywood

Two Piece 32mm **Door Edge Profile 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





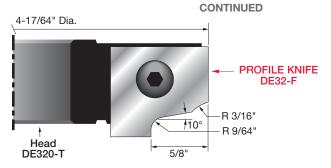
Hardwood

Softwood



MDF

Plywood





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

BOTTOM: Profile Knife DE32-K Head DE320-U



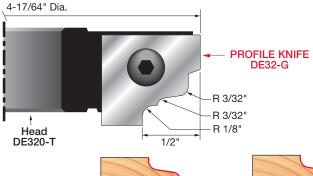
TOP: Profile Knife DE32-F Head DE320-T

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



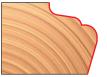
TOP: Profile Knife DE32-G Head DE320-T

BOTTOM: Profile Knife DE32-K Head DE320-U



TOP: Profile Knife DE32-G Head DF320-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



Two Piece 32mm Door Edge Profile Cutters

PERFORMANCE SYSTEM® CUTTERS

Shaper Machine

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

Profile knives can be purchased separately.

MATERIALS

Hardwood

MDF

and drawers without pulls.

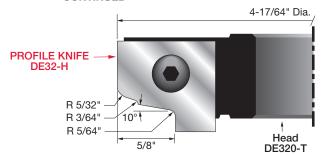
Softwood

Plywood

APPLICATION

USE IN

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



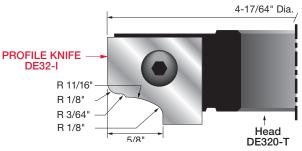
TOP: Profile Knife DE32-H Head DE320-T

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



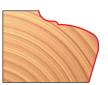
TOP: Profile Knife DE32-I Head DE320-T

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

freud_{® 345}

Two Piece 32mm Door Edge Profile 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



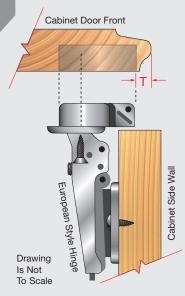


Softwood



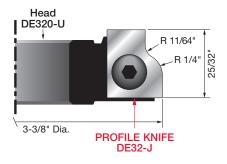


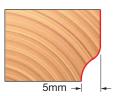
Plywood



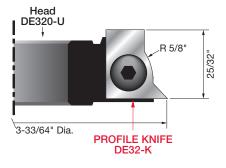
BOTTOM PROFILE CUTTER KNIVES FOR CUTTERHEAD DE320-U

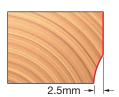
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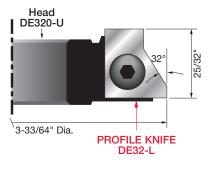


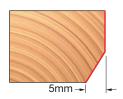
Profile Knife DE32-J Head DE320-U



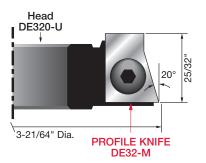


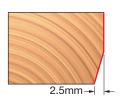
Profile Knife DE32-K Head DE320-U





Profile Knife DE32-L Head DE320-U

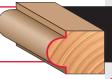




Profile Knife DE32-M Head DE320-U



Concave Radius Knives & Head



PERFORMANCE SYSTEM® CUTTERS

Concave Radius Head

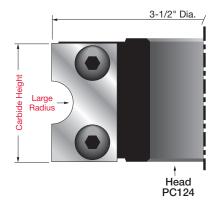
ITEM	PART	NUMBER OF	BORE	
NUMBER	DESCRIPTION	KNIFES REQUIRED	DIAMETER	
PC124	3-1/2"	2	1-1/4"	

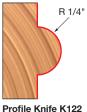
Knives sold separately

Concave Radius Knives

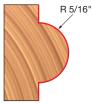
ITEM NUMBER	CARBIDE HEIGHT	LARGE RADIUS	HEAD REQUIRED
K122	1-3/8"	1/4"	PC124
K123	1-3/8"	5/16"	PC124
K124	1-3/8"	3/8"	PC124
K125	1-3/8"	7/16"	PC124

Cutterhead sold separately

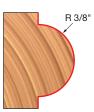




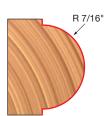




Profile Knife K123 Head PC124



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.



Plywood

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







MDF

Plywood

Combination Quarter Round Convex & Concave Radius Knives & Head

Combination Quarter Round Convex & Concave Radius Head

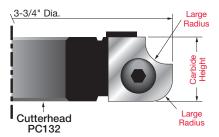
ITEM	PART	NUMBER OF	BORE	
NUMBER	DESCRIPTION	KNIFES REQUIRED	DIAMETER	
PC132	3-3/4"	2	1-1/4"	

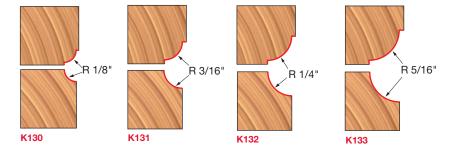
Knives sold separately

Combination Quarter Round Convex & Concave Radius Knives

ITEM NUMBER			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



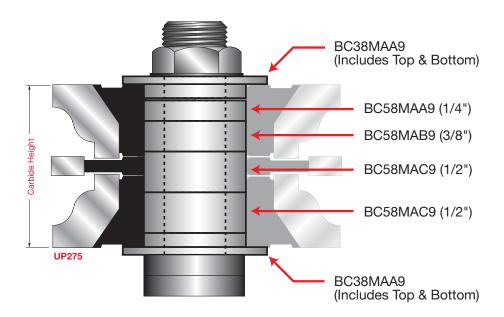




Bushing Selection

PARTS & ACCESSORIES

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: 2-3/64" - 11/64" - 11/64" = 1-45/64"

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.

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

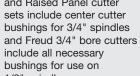


MDF

Plywood

The Performance System® Stile and Rail cutter sets and Raised Panel cutter 1/2" spindles.







PARTS & ACCESSORIES

Flange Bushings

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





- Idiawood

Softwood

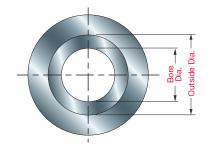




MDF

Plywood

OUTSIDE BORE ITEM **HEIGHT NUMBER** DIA. DIA. BC30MAA9 1-1/4" 11/64" 30mm BC36MAA9 1-1/4" 13/64" 1-1/8" 15/64" 1" BC37MAA9 1-1/4" 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

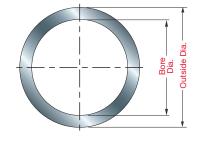
Softwood

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"





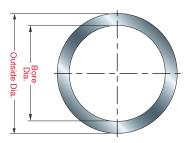


Cassette 65 Bushings

PARTS & ACCESSORIES

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





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







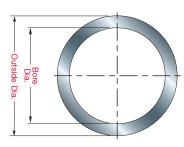


IVIDI

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.





PARTS & ACCESSORIES

Precision Shim Sets

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



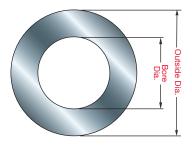




MDF

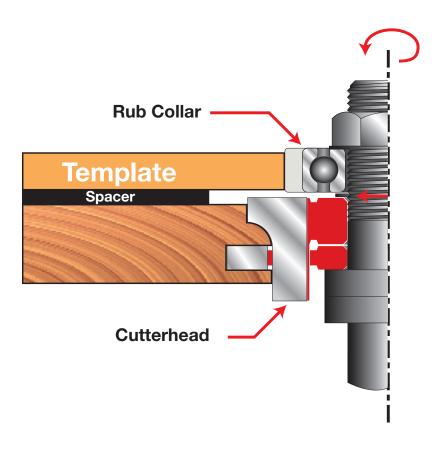
Plywood

ITEM	BORE	OUTSIDE		NUM	IBER OI	F EACH	THICKN	IESS	
NUMBER	DIA.	DIA.	.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

PARTS & ACCESSORIES

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"

2-1/2" 2-3/4"	1/2"
2-3/4"	4 4 / 4 11
, .	1-1/4"
3"	1-1/4"
3-1/2"	1-1/4"
3-1/4"	3/4"
4-9/16"	1-1/4"
	3-1/2" 3-1/4"



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#		

USE IN



Shaper Machine

APPLICATION

Made using precision industrial ball bearings, these are ideal for doing template work or making cathedral doors





Hardwood



MDF

Plywood

PARTS & ACCESSORIES

Replacement Carbide Profile Knives for Performance System® Shaper Cutters

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

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

[&]quot;#" Determines bore size. See Bushing & Rub Collars for bore selection.

^{**}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.





Hardwood



MDF

Plywood

^{*}Glass Door and Back Tenon knife for Head RS-S

PARTS & **ACCESSORIES**

Carbide Insert Knives

USE IN



Shaper Machine

APPLICATION

For general use in scoring, shaping and planning of panel materials and solid wood

MATERIALS





Hardwood

MDF

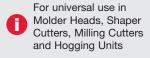


Straight Knives - Turnover Knives

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 Indicate 1-1/4" Bore

Red Item Numbers for Laminate and Composites





^{*} Solid Wood

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 planning of panel materials and solid wood

MATERIALS





Hardwood



MDF

Plywood

For universal use in Molder Heads, Shaper Cutters, Milling Cutters and Hogging Units



PARTS & ACCESSORIES

High Speed Steel Industrial Planer & Jointer Knives

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





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	The San
Sc	olid
	face

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
C470	8"	1"	1/8"	3
C480	8-1/16"	1 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

C600 — Ryobi AP10 C610 — Makita 2030N RYOBI® is a Registered Trademark of Ryobi Limited Makita® is a Registered Trademark of Makita Corporation Delta® is a Registered Trademark of Black & Decker®



^{*} These knives are designed for the following machines:

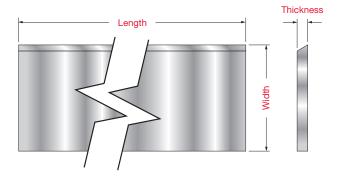
High Speed Steel Industrial Planer & Jointer Knives

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 C620 — Makita 2040 C610 — Makita 2030N C630 — Delta RC-33

RYOBI® is a Registered Trademark of Ryobi Limited Makita® is a Registered Trademark of Makita Corporation Delta® is a Registered Trademark of Black & Decker®



Biscuit/Plate Joiner Replacement Blade

ITEM LENGTH		TEETH	BORE	
	FI100	3-15/16"	6"	22mm
	FI102	3-15/16"	8"	22mm



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.











362 Carbide Forstner Bits

362 Seven Piece Carbide Forstner Bit Set

362 Seven Piece Carbide Forstner Bit Set
363-365 Precision ShearTM Forstner Bits
364 Sixteen Piece Precision ShearTM Forstner Bit Set
365 Seven Piece Precision ShearTM Forstner Bit Set
365 Four Piece Precision ShearTM 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

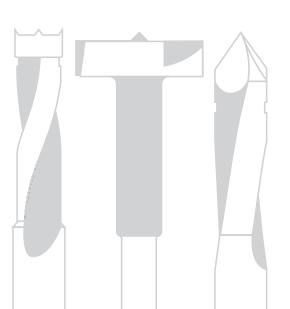
370 Boring Machine Chucks

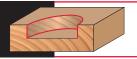
370 Carbide Tipped Boring Bit Countersinks

371 10mm Drill Adapters

371 10mm Drill Bushings

372 Solid Carbide Drill Bits





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







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"

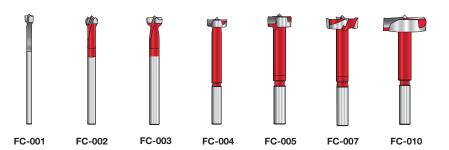
Seven Piece Carbide Forstner Bit Set

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"



Precision Shear™ Forstner Bits



FORSTNER, BORING, & DRILL BITS

	I		
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.





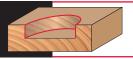


Hardwood Softwood Plywood





Surface



Precision Shear™ Forstner Bits

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"



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

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

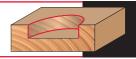
produce holes that are smooth and flat, and create "chisel-like"curls for fast, clean chip removal











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



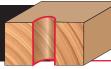
STEEP ANGLED CUTTING EDGES produce holes that are smooth and flat, and create "chisellike"curls for

fast, clean chip removal

MATERIALS



Plywood



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



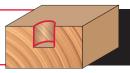






ITEM NUMBER	CUT DIA.	OVERALL LENGTH	MAX HOLE DEPTH	ROTATION	ANGLE	SHANK DIA.
TH39657R	5/32"	57.5mm	27mm	Right	60°	10mm
TH39657L	5/32"	57.5mm	27mm	Left	60°	10mm
TH40057R	4mm	57.5mm	27mm	Right	60°	10mm
TH40057L	4mm	57.5mm	27mm	Left	60°	10mm
TH47657R	3/16"	57.5mm	27mm	Right	60°	10mm
TH47657L	3/16"	57.5mm	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
		57.5mm	27mm		60°	10mm
TH70057R	7mm			Right		
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		10mm
BP63557L	1/4"	57.5mm	27mm	Right Left	10mm
BP65057R			27mm		10mm
	6.5mm	57.5mm		Right	
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









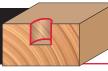


OSB Laminate Surface









Industrial Carbide Tipped Brad Point Boring Bits

CONTINUED **USE IN**



CNC

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







December Decembe	CONTINUED						
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 BP52070L 5.1mm 70mm 35mm Left 10mm BP52070L 5.2mm 70mm 35mm Left 10mm BP52070L 5.2mm 70mm 35mm Left 10mm BP52570R 7/32* 70mm 35mm Left 10mm BP65570R 7/32* 70mm 35mm Left 10mm BP6070L 6mm 70mm 35mm Left 10mm BP63570R 1/4* 70mm 35mm Left 10mm BP65070R 6.5mm 70mm 35mm Right 10mm BP					ROTATION		
BP47670R 3/16" 70mm 35mm Right 10mm BP47670L 3/16" 70mm 35mm Left 10mm BP50070R 5mm 70mm 35mm Right 10mm BP5070R 5.1mm 70mm 35mm Left 10mm BP51070L 5.1mm 70mm 35mm Left 10mm BP52070R 5.2mm 70mm 35mm Left 10mm BP52070L 5.2mm 70mm 35mm Left 10mm BP52570R 7.32" 70mm 35mm Left 10mm BP65570L 7/32" 70mm 35mm Right 10mm BP60070L 6mm 70mm 35mm Right 10mm BP63570L 1/4" 70mm 35mm Right 10mm BP65070R 6.5mm 70mm 35mm Right 10mm BP65070L 6.5mm 70mm 35mm Right 10mm	BP40070R	4mm	70mm	35mm	Right	10mm	
BP47670L 3/16" 70mm 35mm Left 10mm BP50070R 5mm 70mm 35mm Right 10mm BP50070L 5mm 70mm 35mm Left 10mm BP51070L 5.1mm 70mm 35mm Left 10mm BP52070L 5.2mm 70mm 35mm Left 10mm BP52070L 5.2mm 70mm 35mm Right 10mm BP55570R 7/32" 70mm 35mm Right 10mm BP60070R 6mm 70mm 35mm Right 10mm BP60070L 6mm 70mm 35mm Right 10mm BP63570L 1/4" 70mm 35mm Right 10mm BP63570L 6.5mm 70mm 35mm Right 10mm BP65070L 6.5mm 70mm 35mm Right 10mm BP70070R 7mm 70mm 35mm Right 10mm <	BP40070L	4mm	70mm	35mm	Left	10mm	
BP50070L 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 BP52070L 5.2mm 70mm 35mm Left 10mm BP52070L 5.2mm 70mm 35mm Right 10mm BP55570R 7/32" 70mm 35mm Right 10mm BP60070L 6mm 70mm 35mm Right 10mm BP60070L 6mm 70mm 35mm Right 10mm BP63570R 1/4" 70mm 35mm Right 10mm BP63570L 1/4" 70mm 35mm Right 10mm BP65070L 6.5mm 70mm 35mm Right 10mm BP70070L 7mm 70mm 35mm Left 10mm <t< td=""><td>BP47670R</td><td>3/16"</td><td>70mm</td><td>35mm</td><td>Right</td><td>10mm</td></t<>	BP47670R	3/16"	70mm	35mm	Right	10mm	
BP50070L 5mm 70mm 35mm Left 10mm BP5107OR 5.1mm 70mm 35mm Right 10mm BP5107OL 5.1mm 70mm 35mm Left 10mm BP52070L 5.2mm 70mm 35mm Right 10mm BP52070L 5.2mm 70mm 35mm Left 10mm BP55570L 7/32" 70mm 35mm Left 10mm BP60070R 6mm 70mm 35mm Right 10mm BP60070L 6mm 70mm 35mm Left 10mm BP63570L 1/4" 70mm 35mm Right 10mm BP63570L 1/4" 70mm 35mm Right 10mm BP65070R 6.5mm 70mm 35mm Left 10mm BP65070L 6.5mm 70mm 35mm Right 10mm BP70070L 7mm 70mm 35mm Right 10mm <t< td=""><td>BP47670L</td><td>3/16"</td><td>70mm</td><td>35mm</td><td>Left</td><td>10mm</td></t<>	BP47670L	3/16"	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 BP5570R 7/32" 70mm 35mm Left 10mm BP6070R 6mm 70mm 35mm Left 10mm BP60070L 6mm 70mm 35mm Right 10mm BP63570L 1/4" 70mm 35mm Right 10mm BP63570L 1/4" 70mm 35mm Right 10mm BP63570L 1/4" 70mm 35mm Right 10mm BP65070L 6.5mm 70mm 35mm Left 10mm BP65070L 7mm 70mm 35mm Left 10mm BP70070R 8mm 70mm 35mm Left 10mm BP	BP50070R	5mm	70mm	35mm	Right	10mm	
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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 Left 10mm BP63570R 1/4" 70mm 35mm Right 10mm BP63570L 1/4" 70mm 35mm Right 10mm BP63570L 1/4" 70mm 35mm Left 10mm BP65070R 6.5mm 70mm 35mm Left 10mm BP65070L 6.5mm 70mm 35mm Left 10mm BP70070R 7mm 70mm 35mm Left 10mm BP80070L 8mm 70mm 35mm Right 10mm BP80070L 8mm 70mm 35mm Right 10mm	BP51070R	5.1mm	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 Left 10mm BP63570R 1/4" 70mm 35mm Left 10mm BP63570L 1/4" 70mm 35mm Left 10mm BP65070R 6.5mm 70mm 35mm Left 10mm BP65070L 6.5mm 70mm 35mm Right 10mm BP65070L 6.5mm 70mm 35mm Left 10mm BP70070R 7mm 70mm 35mm Left 10mm BP70070L 7mm 70mm 35mm Left 10mm BP80070L 8mm 70mm 35mm Right 10mm BP82070L 8.2mm 70mm 35mm Left 10mm BP	BP51070L	5.1mm	70mm	35mm	Left	10mm	
BP55570R 7/32" 70mm 35mm Right 10mm BP55570L 7/32" 70mm 35mm Left 10mm BP60070R 6mm 70mm 35mm Right 10mm BP63570R 1/4" 70mm 35mm Left 10mm BP63570L 1/4" 70mm 35mm Left 10mm BP65070R 6.5mm 70mm 35mm Right 10mm BP65070L 6.5mm 70mm 35mm Left 10mm BP65070L 6.5mm 70mm 35mm Right 10mm BP70070R 7mm 70mm 35mm Left 10mm BP70070L 7mm 70mm 35mm Right 10mm BP80070L 8mm 70mm 35mm Left 10mm BP82070L 8.2mm 70mm 35mm Left 10mm BP92070L 9mm 70mm 35mm Right 10mm B	BP52070R	5.2mm	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 Left 10mm BP63570L 1/4" 70mm 35mm Left 10mm BP65070L 6.5mm 70mm 35mm Right 10mm BP65070L 6.5mm 70mm 35mm Left 10mm BP70070R 7mm 70mm 35mm Right 10mm BP80070L 8mm 70mm 35mm Right 10mm BP80070L 8mm 70mm 35mm Left 10mm BP82070L 8.2mm 70mm 35mm Left 10mm BP82070L 8.2mm 70mm 35mm Right 10mm BP93870L 3/8" 70mm 35mm Right 10mm BP	BP52070L	5.2mm	70mm	35mm	Left	10mm	
BP60070R 6mm 70mm 35mm Right 10mm BP60370R 1/4" 70mm 35mm Left 10mm BP63570L 1/4" 70mm 35mm Right 10mm BP65070R 6.5mm 70mm 35mm Left 10mm BP65070L 6.5mm 70mm 35mm Left 10mm BP70070R 7mm 70mm 35mm Left 10mm BP70070L 7mm 70mm 35mm Right 10mm BP80070L 8mm 70mm 35mm Left 10mm BP80070L 8mm 70mm 35mm Left 10mm BP80070L 8mm 70mm 35mm Right 10mm BP82070L 8.2mm 70mm 35mm Right 10mm BP90070L 9mm 70mm 35mm Left 10mm BP93870L 3/8" 70mm 35mm Right 10mm BP1007	BP55570R	7/32"	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 Left 10mm BP70070R 7mm 70mm 35mm Left 10mm BP70070L 7mm 70mm 35mm Left 10mm BP80070L 8mm 70mm 35mm Right 10mm BP80070L 8mm 70mm 35mm Right 10mm BP82070L 8.2mm 70mm 35mm Right 10mm BP82070L 8.2mm 70mm 35mm Left 10mm BP90070R 9mm 70mm 35mm Left 10mm BP90070L 9mm 70mm 35mm Right 10mm BP93870L 3/8" 70mm 35mm Right 10mm BP1007	BP55570L	7/32"	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 BP70070R 7mm 70mm 35mm Left 10mm BP70070L 7mm 70mm 35mm Left 10mm BP80070L 8mm 70mm 35mm Left 10mm BP80070L 8mm 70mm 35mm Right 10mm BP82070L 8.2mm 70mm 35mm Left 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 BP10070B 10mm 70mm 35mm Right 10mm BP111	BP60070R	6mm	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 BP80070L 8mm 70mm 35mm Left 10mm BP80070L 8mm 70mm 35mm Left 10mm BP82070L 8.2mm 70mm 35mm Left 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 BP10070B 10mm 70mm 35mm Left 10mm BP110070L 10mm 70mm 35mm Right 10mm BP1	BP60070L	6mm	70mm	35mm	Left	10mm	
BP65070R 6.5mm 70mm 35mm Right 10mm BP65070L 6.5mm 70mm 35mm Left 10mm BP70070R 7mm 70mm 35mm Right 10mm BP80070L 8mm 70mm 35mm Left 10mm BP80070L 8mm 70mm 35mm Left 10mm BP82070R 8.2mm 70mm 35mm Right 10mm BP82070L 8.2mm 70mm 35mm Right 10mm BP90070R 9mm 70mm 35mm Right 10mm BP90070L 9mm 70mm 35mm Right 10mm BP93870R 3/8" 70mm 35mm Right 10mm BP10070R 10mm 70mm 35mm Right 10mm BP10070R 10mm 70mm 35mm Right 10mm BP11170R 7/16" 70mm 35mm Right 10mm <t< td=""><td>BP63570R</td><td>1/4"</td><td>70mm</td><td>35mm</td><td>Right</td><td>10mm</td></t<>	BP63570R	1/4"	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 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 BP11170R 7/16" 70mm 35mm Right 10mm BP12070R 12mm 70mm 35mm Left 10mm BP1	BP63570L	1/4"	70mm	35mm	Left	10mm	
BP70070R 7mm 70mm 35mm Right 10mm BP70070L 7mm 70mm 35mm Left 10mm BP80070R 8mm 70mm 35mm Right 10mm BP82070L 8.2mm 70mm 35mm Left 10mm BP82070L 8.2mm 70mm 35mm Left 10mm BP90070R 9mm 70mm 35mm Left 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 BP10070R 10mm 70mm 35mm Left 10mm BP11170R 7/16" 70mm 35mm Right 10mm BP12070R 12mm 70mm 35mm Left 10mm BP127	BP65070R	6.5mm	70mm	35mm	Right	10mm	
BP70070L 7mm 70mm 35mm Left 10mm BP80070R 8mm 70mm 35mm Right 10mm BP80070L 8mm 70mm 35mm Left 10mm BP82070L 8.2mm 70mm 35mm Left 10mm BP90070R 9mm 70mm 35mm Right 10mm BP90070L 9mm 70mm 35mm Left 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 BP10070R 10mm 70mm 35mm Left 10mm BP11170L 7/16" 70mm 35mm Left 10mm BP12070R 12mm 70mm 35mm Left 10mm BP12770L	BP65070L	6.5mm	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 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 Left 10mm BP12070R 12mm 70mm 35mm Left 10mm BP12070L 12mm 70mm 35mm Left 10mm BP14070R 1/2" 70mm 35mm Left 10mm BP14	BP70070R	7mm	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 BP93870R 3/8" 70mm 35mm Left 10mm BP93870L 3/8" 70mm 35mm Left 10mm BP10070R 10mm 70mm 35mm Left 10mm BP10070L 10mm 70mm 35mm Right 10mm BP11170R 7/16" 70mm 35mm Left 10mm BP11170L 7/16" 70mm 35mm Left 10mm BP12070R 12mm 70mm 35mm Left 10mm BP12070L 12mm 70mm 35mm Left 10mm BP12770L 1/2" 70mm 35mm Left 10mm BP1	BP70070L	7mm	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 BP11170L 7/16" 70mm 35mm Left 10mm BP12070R 12mm 70mm 35mm Right 10mm BP12070L 12mm 70mm 35mm Left 10mm BP12770L 1/2" 70mm 35mm Right 10mm BP14070L 14mm 70mm 35mm Left 10mm B	BP80070R	8mm	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 Left 10mm BP12070R 12mm 70mm 35mm Left 10mm BP12070L 12mm 70mm 35mm Right 10mm BP12770R 1/2" 70mm 35mm Left 10mm BP14070L 14mm 70mm 35mm Right 10mm BP15070R 15mm 70mm 35mm Left 10mm BP1	BP80070L	8mm	70mm	35mm	Left	10mm	
BP90070L 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 BP11170L 7/16" 70mm 35mm Left 10mm BP12070R 12mm 70mm 35mm Left 10mm BP12070L 12mm 70mm 35mm Right 10mm BP12770R 1/2" 70mm 35mm Left 10mm BP14070R 14mm 70mm 35mm Left 10mm BP14070L 14mm 70mm 35mm Left 10mm BP15070R 15mm 70mm 35mm Left 10mm BP150	BP82070R	8.2mm	70mm	35mm	Right	-	
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 Left 10mm BP12070R 12mm 70mm 35mm Left 10mm BP12070L 12mm 70mm 35mm Left 10mm BP12770R 1/2" 70mm 35mm Left 10mm BP14070R 14mm 70mm 35mm Right 10mm BP15070R 15mm 70mm 35mm Left 10mm BP15070L 15mm 70mm 35mm Left 10mm BP15070L 15mm 70mm 35mm Left 10mm BP160	BP82070L	8.2mm	70mm	35mm	Left	10mm	
BP93870R 3/8" 70mm 35mm Right 10mm BP10070R 10mm 70mm 35mm Left 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 Left 10mm BP12070L 12mm 70mm 35mm Left 10mm BP12770R 1/2" 70mm 35mm Left 10mm BP14070R 14mm 70mm 35mm Right 10mm BP14070L 14mm 70mm 35mm Left 10mm BP15070R 15mm 70mm 35mm Left 10mm BP15070L 15mm 70mm 35mm Left 10mm BP15070L 15mm 70mm 35mm Right 10mm BP	BP90070R	9mm	70mm		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 Left 10mm BP12070R 12mm 70mm 35mm Right 10mm BP12070L 12mm 70mm 35mm Left 10mm BP12770R 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	BP90070L	9mm	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 Left 10mm BP12070L 1/2" 70mm 35mm Right 10mm BP12770L 1/2" 70mm 35mm Left 10mm BP14070R 14mm 70mm 35mm Left 10mm BP15070R 15mm 70mm 35mm Right 10mm BP15070L 15mm 70mm 35mm Left 10mm BP15070L 15mm 70mm 35mm Right 10mm BP16070R 16mm 70mm 35mm Right 10mm	BP93870R	3/8"	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 Left 10mm BP12070L 12mm 70mm 35mm Right 10mm BP12770R 1/2" 70mm 35mm Left 10mm BP12770L 1/2" 70mm 35mm Left 10mm BP14070R 14mm 70mm 35mm Left 10mm BP15070R 15mm 70mm 35mm Right 10mm BP15070L 15mm 70mm 35mm Left 10mm BP16070R 16mm 70mm 35mm Right 10mm	BP93870L	3/8"		35mm	Left		
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 Left 10mm BP12770L 1/2" 70mm 35mm Left 10mm BP14070R 14mm 70mm 35mm Left 10mm BP15070R 15mm 70mm 35mm Right 10mm BP15070L 15mm 70mm 35mm Left 10mm BP16070R 16mm 70mm 35mm Right 10mm	BP10070R	10mm		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 Left 10mm BP15070R 15mm 70mm 35mm Right 10mm BP15070L 15mm 70mm 35mm Left 10mm BP16070R 16mm 70mm 35mm Right 10mm	BP10070L	10mm	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 Left 10mm BP15070L 15mm 70mm 35mm Right 10mm BP15070L 15mm 70mm 35mm Left 10mm BP16070R 16mm 70mm 35mm Right 10mm	BP11170R	7/16"		35mm	Right		
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 Left 10mm BP15070L 15mm 70mm 35mm Right 10mm BP16070R 16mm 70mm 35mm Right 10mm			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	BP12070R	12mm	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	BP12070L	12mm	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	BP12770R	1/2"	70mm	35mm	-	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	BP12770L	1/2"	70mm	35mm	Left	10mm	
BP15070R 15mm 70mm 35mm Right 10mm BP15070L 15mm 70mm 35mm Left 10mm BP16070R 16mm 70mm 35mm Right 10mm	BP14070R	14mm			Right		
BP15070L 15mm 70mm 35mm Left 10mm BP16070R 16mm 70mm 35mm Right 10mm	BP14070L	14mm		35mm		10mm	
BP16070R 16mm 70mm 35mm Right 10mm	BP15070R				Right	10mm	
	BP15070L	15mm	70mm	35mm	Left	10mm	
BP16070L 16mm 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	CUT	OVERALL	ROTATION	SHANK
NUMBER	DIA.	LENGTH		DIA.
CB12057R	12mm 12mm	57.5mm	Right	10mm
CB12057L CB12070R	12mm 13mm	57.5mm 57.5mm	Left Right	10mm 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 CB14057L	14mm 14mm	57.5mm 57.5mm	Right Left	10mm 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 CB18057R	17mm 18mm	57.5mm 57.5mm	Left	10mm 10mm
CB18057L	18mm	57.5mm	Right 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 CB24057R	22mm 24mm	<mark>57.5mm</mark> 57.5mm	Left Right	10mm 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 CB30057R	28mm 30mm	57.5mm 57.5mm	Left Right	10mm 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	<mark>57.5mm</mark> 57.5mm	Left	10mm 3/8"
3557E CB38057R	35mm 38mm	57.5mm	Right 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 CB16070L	16mm 16mm	70mm 70mm	Right Left	10mm 10mm
CB17070E	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 CB20070R	3/4" 20mm	70mm 70mm	Left Right	10mm 10mm
CB20070R 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 CB30070R	26mm 30mm	<mark>70mm</mark> 70mm	Left Right	10mm 10mm
CB30070R 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.

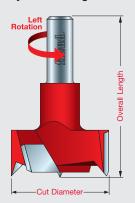
INCLUDES

10mm shank with an adjustable top screw making them compatible with most boring machines





Industrial Cylinder Boring 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

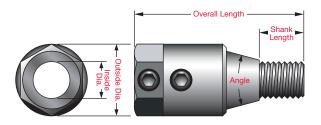


Laminate

OSB



ITEM OUTSIDE INSIDE **OVERALL** SHANK SHANK **ROTATION ANGLE NUMBER** DIA. DIA. **LENGTH** DIA. LENGTH 19.5mm 30° M10 6010L 10mm 46mm Left 12mm 6010R 19.5mm 10mm 46mm Right 30° M10 12mm 6015L 19.5mm 10mm 46mm Left 30° M10 12mm 6015R 19.5mm 46mm 30° 10mm Right M10 12mm 19.5mm 60201 46mm 10mm Left 309 M10 12mm 6020R 19.5mm 10mm 46mm Right 30° M10 12mm 6025L 19.5mm 10_{mm} 46mm Left 30° M10 12mm 6025R 19.5mm 46mm 10mm Right 30° M10 12mm 10mm 60301 19.5mm 46mm Left 30° M₁₀ 12mm 6030R 19.5mm 10mm 46mm Right 30° M10 12mm 6035L 19.5mm 10_{mm} 46mm Left 30° M10 12_{mm} 6035R 30° 19.5mm 10mm 46mm Right 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

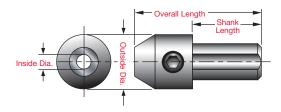


ITEM NUMBER	OUTSIDE DIA.	INSIDE DIA.	ROTATION	ANGLE
7010L	15.5mm	5mm	Left	82°
7010R	15.5mm	5mm	Right	82°
7012L	15.5mm	6mm	Left	82°
7012R	15.5mm	6mm	Right	82°
7013L	15.5mm	7mm	Left	82°
7013R	15.5mm	7mm	Right	82°
7014L	18mm	8mm	Left	82°
7014R	18mm	8mm	Right	82°
7016L	20mm	10mm	Left	82°
7016R	20mm	10mm	Right	82°



10mm Drill Adapters

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.

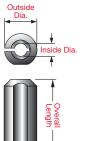
MATERIALS



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

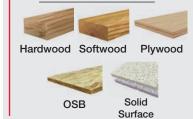


Hand Held Drills Drill Presses

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



freud_{® 371}

FORSTNER, BORING, & REPLACEABLE KNIFES

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.







Solid Surface

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 L5TA3 (905) 670-1025

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Freud tools are packed in a master pack when ever possible. By ordering in these multiples, your receiving and storage will be made easier, quicker and more accurate.

ORDERING BY FAX

Ordering by FAX saves you time and assures accuracy. Our fax lines are open 24 hours a day.

U.S. fax number: 336-434-8333 Canada fax number: 1-800-668-8802

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All orders are processed for shipment within 24 hours! If special shipping instructions are given, such as UPS Blue/Red or Federal Express, the order is processed and shipped the same day when received by 2:30 PM Eastern Standard Time.



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PANEL SIZING SAW BLADES

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DADO SETS

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ROUTER BITS

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SHAPER CUTTERS

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FORSTNER, BORING & DRILL BITS

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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.

To find a Freud Certified Sharpener near you please visit: www.freudtools.com/sharpen



General Products Catalog 2020

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