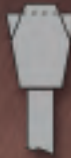


THE PROFESSIONALS' EDGE™

**SYSTI
MATIC™**



Professional Grade Saw Blades



- Solid Wood
- Wood Based Materials
- Non-Ferrous Metals
- Plastics
- Specialty Applications

**SYSTI
MATIC™**



SYSTIMATIC™ – THE PROFESSIONALS' EDGE™

**SYSTI
MATIC™**

Dear Customer,

We'd like to tell you why we believe that SystiMatic™, by Simonds International, should be your saw blade of choice!

Value – SystiMatic™ offers only long lasting, high value saw blades and tools for both professional users and the serious hobbyist.

Our People - SystiMatic™ employees are the most knowledgeable, conscientious and dedicated people, both in Manufacturing and Customer Service.

The Product Line - SystiMatic™ is always delivering innovative ways to satisfy our customers' cutting needs with new and innovative products, that are available when you need them.

Product Quality - SystiMatic™ quality stands by itself. We warrant all our products to be free of material and manufacturing defects. If you suspect a defect due to material or workmanship is found, email, fax or phone your Customer Service representative, and ask that they issue you a return authorization for a SystiMatic™ quality inspection.

Customer Service - SystiMatic™ is customer oriented - we understand that customers are precious. We want our customers to feel comfortable and secure knowing we will be there not only for sales, but also for assistance and service.

You owe it to yourself to try a SystiMatic™ saw blade, dado or tool. Whether in an industrial application or for making fine cabinetry, we've got the tool you will be proud to use.

Sincerely,

The SystiMatic™ Team at Simonds International

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**SYSTI
MATIC™**



About SystiMatic™

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Materials

SystiMatic™ Product Line

	Wood	Metal	Plastic
General Purpose Blade	✓		
Budke Combination Blades	✓		
Plymaster Blades	✓		
Contractor Blades.....	✓		
Compound Mitre Saw Blades	✓	✓	✓
Mitre Box Saw Blades	✓	✓	✓
Radial Arm Saw Blades	✓	✓	✓
Heavy Duty Rip Blades & Safety Rip Blades	✓		
Glue Joint Rip Blades & Rescue Blades.....	✓		
Precision Trim Blades	✓		
Thin Line™ Blades	✓	✓	✓
Super Finish Trim Saw Blades.....	✓		
Laminate-Veneer Blades	✓		
Melamine-Veneer Blades.....	✓		
Plastic and Trim Blades.....	✓		✓
Double Mitre Blades	✓	✓	✓
Aluminator™ Metal Blades	✓	✓	✓
Solid Surface & Heavy Duty Metal.....	✓	✓	✓
Fine and Superfine Dado Sets.....	✓		
Shim Sets, Collars & Bushings	✓	✓	✓
Horizontal Panel	✓		
Gang and Straight Line, Vertical Panel & Sliding Table Blades.....	✓		
Scoring Blades	✓		
TFE Bandits™ & 3 Blade Combo Pack	✓		
Jump Saw Blades.....	✓		

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HERE'S HOW WE MAKE THEM

HOW PROFESSIONAL GRADE SAW BLADES ARE MADE

At SystiMatic™, it all starts with the blade design. We take the job specs – the material being cut, feed rate, speed and power of blade spin - and engineer the actual design - the gullet, tooth profile, tooth angle, offset and grind. All these factors are graphically represented on our CAD/CAM design systems and numerically represented in computer memory. This digital information is fed to our massive flat-bed lasers.

PREMIUM ALLOY STEEL

All of our saw blades are made from the same premium alloy steel used in the toughest commercial jobs - even the SystiMatic™ blades that are preferred by the active hobbyist. You can't see the difference looking at the blades but you can sure see the difference in your cuts. Our special alloy is not as affected by heat and load as most saw steels. Plus it has a "memory" that keeps it running straight and true even in the toughest of applications. And best of all, it's there for the life of the blade. Built-in **Professional Grade** performance and quality.



LASER CUT BODIES

Many manufacturers still rough out their blade blanks on shearing machines, then shape the final outline on milling machines (we know - that's how we made our own blades for years). Today, every SystiMatic™ blade is cut by high-precision lasers to ensure accuracy throughout the saw plate. Our lasers give us the ability to make essential design changes quickly and easily to improve the performance of each blade you use. With our laser-cut plates, no stress is put into the plate from the start (unlike punched parts), providing straighter, truer cuts.

Blanks are cut out with absolute accuracy - each one mathematically identical to the other. The actual width of the laser cut is less than 6 thousandths of an inch - about the width of a fine pencil stroke – and it is this high level of accuracy that enabled us to invent our exclusive "Anchor" expansion slot. Unlike mechanical shearing and milling, the laser cut does not transmit stress to the edge of the blank. We believe that the secret of SystiMatic™ smoothness starts right here.



HEAT TREAT AND TEMPER

Next, the blanks are heat treated and tempered to toughen the steel so that the final blade will stand up to continuous use without cracking. Our blades are heat treated and tempered in fully automated furnaces that provide incredibly consistent results from blade to blade. Our heat treating and tempering processes bring out the full potential of the steel in every blade you use.

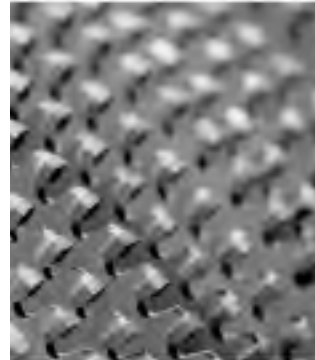
FLATTENING AND TENSIONING

After heat treat and temper, each saw blank is magnetically chucked onto microprocessor-controlled surface grinders for flattening. These grinders make up to 20 separate passes across the surface of the spinning saw blank to give you the flattest blade possible. The first "rough" pass may take off up to three thousandths (.003) of an inch. The final passes are automatically gauged to less than ONE TEN THOUSANDTH (.0001) OF AN INCH! The result? A blade that's absolutely and completely FLAT! After final checking and hammer tensioning, the blanks are ready for tip brazing and honing.

CARBIDE TIPS AND OTHER WEAR RESISTANT MATERIALS

The majority of our saw blades are manufactured with tungsten carbide tooth tips. Nearly as hard as diamond, tungsten carbide is also almost as heavy as lead. Depending on the specific sawing application, we use many different grades of carbide designed to meet the varied cutting needs of both hobbyists and professionals.

In addition to carbide, we manufacture blades with Stellite® and ceramic tips, and we use a variety of wear-resistant coatings to improve the life of the cutting edge. These “special application” products are available upon request - please contact us or your nearest SystiMatic™ distributor for additional information.



HONING

We're fanatics about honing. Our state-of-the-art, highly accurate three axis automated grinders give all our saw blades the sharpest possible results. These grinders are able to keep track of the exceptionally complicated honing programs found in today's sophisticated saws. There may be as many as eleven separate tip paths in an individual sawing tip group. An individual tooth may have as many as five separate surfaces that must be honed to absolute sharpness! The machines don't do it all, though - it takes the patience and dedication of our extremely skillful operators.

QUALITY & DELIVERY

Our high tech equipment has insured the best blade possible. Our continuous quality checks make sure everything happens the way it's supposed to. **BUT WE DON'T STOP THERE!** Each blade is quality checked once again by our Quality Control department and is then placed on our shelves so we can **RUSH THEM TO YOU.**

It's our objective to have virtually every one of our 300+ standard blades on the shelf, ready for immediate shipment to you. If we are ever out of stock, our “lean manufacturing” processes ensure we'll have the blade you need as quickly as possible.



SERVICE

We want you to find doing business with us an **ENJOYABLE EXPERIENCE.** SystiMatic™ invites you to experience any of our fine professional grade saw blades. We look forward to the opportunity of working with you to service your sawing needs.

SystiMatic™ warrants that all our products are fit for the purpose intended and are free from defects in material and workmanship





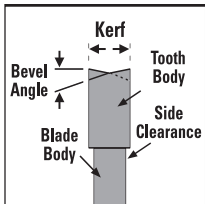
Basic Terminology & 3 Basic Tooth Designs

Flat Top Grind – these ripping teeth are flat across the top and rake through the cut like chisels.

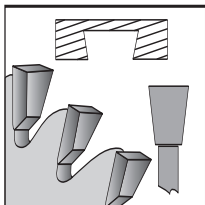
Alternate Top Bevel – these cross-cutting teeth have alternate beveled angle cuts across the top and cut the wood fibers across the grain like a knife cutting a celery stalk.

Triple Chip – a combination of groovers and flat-topped teeth, the groovers have beveled corners and are slightly longer than the flat-topped teeth, allowing them to groove a stabilizing channel in the middle of the cut.

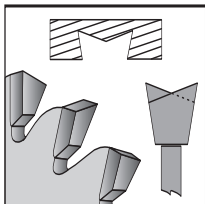
The precise geometry of each tooth, how they are mixed and matched and the angle at which they are set into the blade determine the purpose and performance of each individual blade.



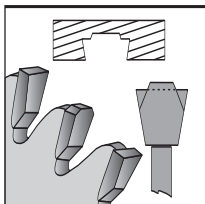
**Face View
Carbide Tooth**



**Flat Top
Grind**



**Alternative
Top Bevel**



**Triple Chip
Grind**

Maximum RPM Blade Ratings

6" 8000 RPM	8" 8000 RPM	9" 8000 RPM	10" 8000 RPM
12" 6500 RPM	14" 5500 RPM	15" 5000 RPM	16" 5000 RPM
18" 4200 RPM	20" 4000 RPM	22" 3600 RPM	24" 3450 RPM

These ratings are for SystiMatic™ circular saw blades, stocked in CAT #500 and are intended to be used as guidelines only.

SystiMatic™ will not assume any liability for direct, indirect, incidental or consequential damages arising from the misuse, abuse, alteration or servicing of any SystiMatic™ products.

Modification Services

Saw Blade Reducing Bushings: SystiMatic™ stocks precision machined metal-alloy bushings for reducing standard-size arbor holes. Bushings are in stock and are easily installed with a press fit to assure concentricity and smooth cuts.

Reboring Service: Larger than standard arbor holes are available for all saws listed in this catalog. SystiMatic's precision machining systems deliver both the proper tension and tolerance. The result is a smooth cut with an open bored saw as with a standard arbor hole saw. Specify arbor size. Lead time takes only a few days.

Pinholes and Keyways: Pinholes and Keyways also are available with rapid lead times. Specify the quantity, diameter and bolt circle for proper positioning of pinholes, or the quantity, location, width and depth of keyways.

How To Get Cuts That Are As Smooth As They Can Possibly Be:

We go to **EXTREME** pains to make each and every SystiMatic™ blade the sharpest, smoothest-cutting, longest-lasting tool possible to manufacture. But it is only a **TOOL** – best results depend on you! Here are some tips to follow:

- 1 Make sure your mounting collars are true and flat without burrs, pitch or sawdust. After mounting, check the blade very carefully for wobble. Make sure the arbor is aligned properly and the motor shaft runs absolutely true.
- 2 Check the alignment of the saw fence very, very carefully. On applications requiring the smoothest possible cuts, accurate alignment is absolutely critical!
- 3 Hold material securely to the table to prevent vibration. Do not over feed - let the blade do the work. But if you're scorching the cut, try increasing the feed speed. Do not use the blade on any material other than that which it was designed to cut. **IF CUTTING NON-FERROUS METALS, BE SURE TO CLAMP THE MATERIAL AND LUBRICATE THE BLADE.**
- 4 Keep saw blades clean. Use lacquer thinner or oven cleaner to remove gum and residue. Do not scrape with any tool that will scratch the surface of the blade.
- 5 Do like the pros do - have your blades resharpened **BEFORE** they get dull. SystiMatic™ blades are designed to take many, many resharpenings. Continuing to use a dull blade will drastically decrease sawing performance and service life. If you lose or damage a tip, it can be replaced easily at a very reasonable cost by a professional saw shop. Use authorized SystiMatic™ service centers for longer tool life.
- 6 **BE CAREFUL!** We value our customers. Wear safety glasses. Remove loose-fitting clothing when using the saw. Keep hands away from the blade. Never remove safety guards. Always allow spinning blade to come to a complete stop before reaching in to remove material and disconnect power before making machine adjustments of any kind. **DO NOT** remove protective guards. Be sure to follow safety recommendations of the machine manufacturers.

TIP GRIND AND MACHINE TYPE REFERENCE



Grind	Description
BB	4 Tooth and Raker Grind (4ATB1 Raker) Planer; 15° Hook
CC	5° Alternate Top Bevel; 2° Hook, Wood/Non-Ferrous/Plastic
CT	2 Tooth and Raker Grind (2ATB1 Raker); 22° Hook
DM	Triple Chip Grind/Aluminator™/HSR™ GOLD, Non-Ferrous
DR	Triple Chip Grind; 15° Hook, 1 Pinhole
DW	4 Alternate Top Bevel and 1 Raker/Wood
GP	General Purpose; 15° Hook
GR	Triple Chip Grind; 22° Hook
HM	Triple Chip Grind; -2° Hook
HP	Horizontal Panel (Horizontal Beam Panel Blades)
HR	Flat Top Grind; 22° Hook
HR	Triple Chip Grind; 20° Hook (Thin Line™ Blades)
LV	Negative K Land Grind
MC	Triple Chip Grind; -6° Hook
MC	Triple Chip Grind; -2° Hook (Thin Line™ Blades)
MC	Triple Chip Grind; -2° Hook on 15 Metal Cutting (Aluminator™)
MC/G	Triple Chip Grind Gold; 2° Hook, Wood/Non-Ferrous/Plastic
MR	Triple Chip Grind; 22° Hook, with Keyway
MV	Melamine-Veneer; -6° Hook
MW	2 Alternate Top Bevel and 1TC Grind; 10° Hook
PC	Triple Chip Grind; 10° Hook, Wood/Plastic
PM	10 Tooth and Raker Grind on 8", 10", 12" blades and 8 Tooth and Raker Grind on 14" blade; 15° Hook
PT	Alternate Top Bevel; 10° Hook
PSC	Precision Support Collars
PT/N	Alternate Top Bevel; -6° Hook
PT/L	Alternate Top Bevel; 10° Hook, Wood
RG	Rip Gang (Rip Gang Saws)
RM	Triple Chip Grind; -6° Hook, Wood/Non-Ferrous
RT	Radial Trim Alternate Top Bevel; -6° Hook, Wood
SC	Scoring Conical
SF	Super Finish Steep Alternate Top Bevel Grind; 10° Hook
SR	Flat Top Grind; 20° Hook
SS	Modified Top Bevel; -6° Hook to + 10° Hook
ST	Sliding Table (Sliding Table Blades)
TF	TFE Coated (TFE Bandits™ Coated Blades)
VP	Vertical Panel (Vertical Panel Blades)
WM	Modified Triple Chip Grind/HSR™ GOLD, Wood/Non-Ferrous; -3° Hook

Machine Types	
TS	Table Saw
PT	Portable Table Saw
ST	Sliding Table Saw
MS	Mitre Saw
CM	Compound Mitre Saw
SC	Sliding Compound Mitre Saw
RA	Radial Arm Saw
SL	Straight Line Rip
GR	Gang Rip Saw
DM	Double Mitre Saw
HB	Horizontal Beam Saw
VP	Vertical Panel Saw





This general purpose wood blade is designed to do more than one job. The improved advantages of this blade over others are:

- C-4 wear resistant carbide
- Great for ripping and cross-cutting
- Lasts longer in virtually all wood and wood products
- Less expensive to service (less teeth to sharpen)
- Material requires little or no sanding after being cut
- Severs particle board and plywood cleaner
- 20° Alternate Top Bevel
- Bigger gullets that don't clog up

Grind

GP General Purpose; 15° Hook

Blade Descriptions

Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor
51821	10	GP	40	.095	.125	5/8

Machine Type (Key on page 5)

TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
■	■	■	■			■		■			■

Materials

- ✓ Wood & Wood Based Material
- X Non-Ferrous Metal
- X Plastics

Application Guide

● Excellent ◎ Above Average ○ Average ⊘ Not Recommended

Crosscut

- ⊘ To 1" (10 x 80T)
- ⊘ To 2 (10 x 60T)
- ⊘ Over 2-1/2"

Ripping

- Rough Cut
- Average Cut
- Smooth Cut
- ⊘ Green Lumber

Combination

- Rip More, Crosscut Less
- Rip Less, Crosscut More

Mitre Cuts

- ◎ Wood
- ⊘ Plastic
- ⊘ Non-Ferrous Metal

Plywood

- Veneer

Particle Board

- Double-sided Melamine

Laminate on Particle Board

- ⊘ To 1-1/2"
- ⊘ To 2-1/2"
- ⊘ Over 2-1/2"

Double Laminate

- ⊘



BUDKE COMBINATION



The ideal all-purpose blade for cutting all kinds of wood. The Budke Combination Blade is the most popular selling combination blade available. It's the ideal all-purpose shop blade because it does so many jobs so well. Use it to crosscut or rip solid woods as well as for cutting plywoods and particle boards. A top value, the Budke Blade is our most popular combination blade and has hefty carbide tips that can be resharpened many times.



Blade Descriptions							Machine Type (key on page 5)											
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
37107	8	BB	35	.085	.131	5/8	■	■	■	■			■					
37105	9	BB	40	.085	.131	5/8	■	■	■	■			■					
37104	10	BB	40	.085	.131	5/8	■	■	■	■			■					
37102	10	BB	50	.085	.131	5/8	■	■	■	■			■					
37360	10	PT	40	.085	.131	5/8	■	■	■	■	■	■	■					
37437	10	PT	40	.060	.093	5/8	■	■		■								
37305	10	PT	40	.085	.131	5/8	■	■	■	■	■	■	■					
37431	10	TF	55	.080	.104	5/8	■	■	■	■	■	■						
37098	12	BB	45	.095	.145	1	■	■	■	■			■					
37428	12	TF	66	.095	.119	1	■		■	■	■	■						
37095	14	BB	55	.109	.161	1	■	■	■	■			■					
37094	16	BB	60	.120	.172	1	■	■	■	■			■					

Grind	
BB	4 Tooth and Raker Grind (4ATB1 Raker) Planer; 15° Hook
PT	Alternate Top Bevel; 10° Hook
TF	TFE Coated (TFE Bandits™ Coated Blades)

Application Guide			
● Excellent	⊙ Above Average	○ Average	⊘ Not Recommended
Crosscut ● To 1" ⊙ To 2-1/2" ⊙ Over 2-1/2" (12", 14", 16" only)	Combination ● Rip & Crosscut	Particle Board ⊙	Laminate on Particle Board ○ To 1" ○ To 2-1/2" ○ Over 2-1/2" (12", 14", 16" only)
Ripping ⊘ Rough Cut ● Average Cut ⊙ Smooth Cut ⊘ Green Lumber	Mitre Cuts ⊙ Wood ⊘ Plastic ⊘ Non-Ferrous Metal	Plywood ⊙	Double Laminate ⊘

Materials	
✓	Wood & Wood Based Material
✗	Non-Ferrous Metal
✗	Plastics



The ultimate table-saw blade for cabinetmakers and demanding craftsmen. The Plymaster is our best cabinet blade. It's ideal for the experienced woodworker who wants smooth, chip-free cuts in all types of materials including plywoods, particle boards, hard or soft woods.

Grind

PM 10 Tooth and Raker Grind on 8", 10", 12" blades and 8 Tooth and Raker Grind on 14" blade; 15° Hook

For Maximum Performance

8" 1" Max Material Thickness
 10" 1-1/2" Max Material Thickness
 12" 2-1/2" Max Material Thickness
 14" 3" Maximum Material Thickness

Blade Descriptions

Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor
37323	8	PM	44	.085	.131	5/8
37322	10	PM	55	.085	.131	5/8
37321	12	PM	66	.095	.145	1
37320	14	PM	72	.109	.161	1

Machine Type (Key on page 5)

TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
■	■	■				■					
■	■	■				■					
■		■				■					
■		■				■					

Materials

- ✓ **Wood & Wood Based Material**
- X Non-Ferrous Metal
- X Plastics

Application Guide

- Excellent
- ◎ Above Average
- Average
- ⊘ Not Recommended

Crosscut

- To 1" (8", 10", 12" only)
- To 2-1/2" (12", 14" only)
- Over 2-1/2" (12", 14", 16" only)

Ripping

- ⊘ Rough Cut
- Average Cut
- ◎ Smooth Cut
- ⊘ Green Lumber

Combination

- Rip More, Crosscut Less
- ◎ Rip Less, Crosscut More

Mitre Cuts

- Wood
- ⊘ Plastic
- ⊘ Non-Ferrous Metal

Plywood

-

Particle Board

-
- Laminate on Particle Board**
- ◎ To 1"
- ◎ To 2-1/2"
- Over 2-1/2"

Double Laminate

- ⊘



Rugged, all-purpose blade for contractors and lumber yards. This is a heavy duty blade for applications where one blade must be relied on to cut a wide variety of materials - solid woods or plywood, crosscuts or rips. Medium-smooth cuts with long life - an extremely good value. Easily modified for Truss machine applications.



Blade Descriptions							Machine Type <small>(key on page 5)</small>											
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
37114	10	CT	24	.085	.131	5/8	■			■								
37113	12	CT	30	.095	.145	1	■			■								
37115	14	CT	36	.109	.161	1	■			■								
37111	16	CT	48	.120	.172	1	■			■								
37112	20	CT	60	.148	.204	1	■			■								

Grind

CT 2 Tooth and Raker Grind (2ATB1 Raker); 22° Hook

Application Guide

● Excellent ◎ Above Average ○ Average ⊘ Not Recommended

Crosscut

- To 1"
- To 2-1/2"
- Over 2-1/2" (12", 14", 16" only)

Ripping

- Rough Cut
- Average Cut
- ⊘ Smooth Cut
- Green Lumber

Combination

- ◎ Rip More, Crosscut Less
- Rip Less, Crosscut More

Mitre Cuts

- Wood
- ⊘ Plastic
- ⊘ Non-Ferrous Metal

Plywood

-

Particle Board

-

Laminate on Particle Board

- ⊘ To 1"
- ⊘ To 2-1/2"
- ⊘ Over 2-1/2"

Double Laminate

- ⊘

Materials

- ✓ Wood & Wood Based Material
- ✗ Non-Ferrous Metal
- ✗ Plastics



Compound mitre blades specially designed for 8.5", 10" and 12" machines. These mitre designed professional grade blades produce superb results on all types of compound mitre machines. PC Triple Chip model is excellent for cutting vinyl siding. RM and MC non-ferrous metal cutting models are ideal for aluminum siding applications.

Grind
PT Alternate Top Bevel; 10° Hook
PC Triple Chip Grind; 10° Hook, Wood/Plastic
RM Triple Chip Grind; -6° Hook, Wood/Non-Ferrous
MC Triple Chip Grind; -6° Hook
PT/N Alternate Top Bevel; -6° Hook
RT Radial Trim Alternate Top Bevel; -6° Hook, Wood
GP General Purpose; 15° Hook

Blade Descriptions							Machine Type (key on page 5)											
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
37361	8.5	PT	40	.065	.105	5/8					■	■						
37336	8.5	PT/N	40	.065	.105	5/8					■	■						
37362	8.5	PT/N	60	.065	.105	5/8					■	■						
37313	8.5	PC	60	.065	.105	5/8					■	■						
36697	8.5	MC	40	.065	.095	5/8					■	■						
36698	8.5	MC	60	.065	.095	5/8					■	■						
37371	10	GP	48	.085	.131	5/8	■		■	■	■	■	■					
37368	10	RM	60	.085	.131	5/8	■		■	■	■	■	■					
37367	10	RT	60	.085	.131	5/8	■		■	■	■	■	■					
37365	12	RM	60	.095	.145	5/8	■		■	■	■	■	■					
37363	12	RM	60	.095	.145	1	■		■	■	■	■	■					
37366	12	RT	60	.095	.145	5/8	■		■	■	■	■	■					
37445	12	PT	72	.065	.095	1					■	■	■	■				

Materials
✓ Wood & Wood Based Material
✓ Non-Ferrous Metal
✓ Plastics

Application Guide			
● Excellent	⊙ Above Average	○ Average	⊘ Not Recommended
Crosscut <ul style="list-style-type: none"> ● To 1" (8.5", 10", 12" Only) ● To 2-1/2" (10", 12" Only) ● Over 2-1/2" (12" Only) 	Mitre Cuts <ul style="list-style-type: none"> ● Wood - PT, RT, RM, PC ● Plastic - PC, RM, GP ● Non-Ferrous Metal - MC, RM 	Aluminum & Aluminum Extrusions <ul style="list-style-type: none"> ● 3/16" - 1/2" thickness RM, MC ⊙ 1/2" - 1" RM, MC ○ Over 1-1/2" RM, MC 	
Ripping <ul style="list-style-type: none"> ⊘ Rough Cut ⊘ Average Cut ⊘ Smooth Cut ⊘ Green Lumber 	Plywood <ul style="list-style-type: none"> ● PT, RT 	Copper, Brass <ul style="list-style-type: none"> ⊙ To 3/8" RM, MC ⊙ Over 3/8" RM, MC 	
Combination <ul style="list-style-type: none"> ⊘ Rip More, Crosscut Less ⊘ Rip Less, Crosscut More 	Particle Board <ul style="list-style-type: none"> ● RM, MC, GP 	Plastics <ul style="list-style-type: none"> ⊙ Hard, Brittle - PC, MC, RM ⊙ Medium - PC, MC, RM ⊙ Medium Soft - PC, MC, RM 	
	Laminate on Particle Board <ul style="list-style-type: none"> ⊘ To 1" ⊘ To 2-1/2" ⊘ Over 2-1/2" 		
	Double Laminate <ul style="list-style-type: none"> ⊘ 		



MITRE BOX SAW



Specially designed for mitre box machines made by Porter Cable®, Ryobi®, Makita®, Delta®, Hitachi and DeWalt®. These blades are designed to reduce strain on brake systems for longer machine life. 9" and 10" CC are versatile for all materials. Use lower tooth counts for thicker material.



Blade Descriptions							Machine Type <small>(Key on page 5)</small>											
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
37263	9	CC	40	.085	.131	5/8				■	■		■					
37261	10	CC	40	.085	.131	5/8				■	■	■	■					
37371	10	GP	48	.085	.131	5/8				■	■	■	■					
37368	10	RM	60	.085	.131	5/8				■	■	■	■					
37367	10	RT	60	.085	.131	5/8				■	■	■	■					
37445	12	PT	72	.065	.095	1				■	■	■	■					
37296	12	PC	100	.080	.110	1				■	■	■	■					
37345	12	PT	100	.080	.110	1				■	■	■	■					
37292	14	PC	100	.080	.125	1				■	■		■					
37331	14	PT	100	.080	.125	1				■	■							
37441	15	MC	100	.090	.135	1				■	■							
37328	15	PT	100	.090	.135	1				■	■							

Grind	
CC	5° Alternate Top Bevel; 2° Hook, Wood/Non-Ferrous/Plastic
RT	Radial Trim Alternate Top Bevel; -6° Hook, Wood
PT	Alternate Top Bevel; 10° Hook, Wood
RM	Triple Chip Grind; -6° Hook, Wood/Non-Ferrous
MC/G	Triple Chip Grind Gold; 2° Hook, Wood/Non-Ferrous/Plastic
PC	Triple Chip Grind; 10° Hook, Wood/Plastic
GP	General Purpose; 15° Hook

Application Guide

Excellent
 Above Average
 Average
 Not Recommended

Crosscut <ul style="list-style-type: none"> ● To 1" (9", 10", 12", 14", 15" Only) ● To 2-1/2" (12", 14", 15" Only) ● Over 2-1/2" (14", 15" Only) 	Mitre Cuts <ul style="list-style-type: none"> ● Wood - CC, RT, PT, PC, RM, GP ● Plastic - PC, RM, MC, GP ● Non-Ferrous Metal - RM, MC, GP 	Double Laminate <ul style="list-style-type: none"> ⊙
Ripping <ul style="list-style-type: none"> ⊙ Rough Cut ⊙ Average Cut ⊙ Smooth Cut ⊙ Green Lumber 	Plywood <ul style="list-style-type: none"> ● RT, PT 	Aluminum & Aluminum Extrusions <ul style="list-style-type: none"> ● 3/16" - 1/2" - MC, RM ⊙ 1/2" - 1" - MC, RM, GP ⊙ Over 1-1/2" RM, MC
Combination <ul style="list-style-type: none"> ⊙ Rip More, Crosscut Less ⊙ Rip Less, Crosscut More 	Particle Board <ul style="list-style-type: none"> ● PC, MC, RM, GP 	Copper, Brass <ul style="list-style-type: none"> ● To 3/8" - CC, MC, RM ⊙ Over 3/8" - CC, MC, RM
	Laminate on Particle Board One Sided <ul style="list-style-type: none"> ● To 1" - PC, MC, RM, GP ⊙ To 2-1/2" (12", 14", 15" Only) - PC, MC, RM ⊙ Over 2-1/2" (14", 15" Only) - PC, MC, RM 	Plastics <ul style="list-style-type: none"> ⊙ Hard, Brittle PC, MC, RM ● Medium PC, CC, RM, MC ⊙ Medium Soft PC, CC, RM, MC

Materials
✓ Wood & Wood Based Material
✓ Non-Ferrous Metal
✓ Plastics



Specially designed for safe, smooth cuts on all radial arm saws. Negative hook angle minimizes chances of grabbing or over feeding. Choose the RT Alternate Top Bevel Grind for cross-cutting wood and cutoff work, the RM Triple Chip Grind blade is ideal for all-purpose cutting and excellent for cutting non-ferrous metals on chop saws. For the smoothest performance on thicker material use lower tooth count, and for thinner material use higher tooth count.

Grind

- RM** Triple Chip Grind; -6° Hook, Wood/Non-Ferrous
- RT** Radial Trim Alternate Top Bevel; -6° Hook, Wood
- GP** General Purpose; 15° Hook

Blade Descriptions

Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor
37364	8	RM	48	.085	.131	5/8
37371	10	GP	48	.085	.131	5/8
37368	10	RM	60	.085	.131	5/8
37365	12	RM	60	.095	.145	5/8
37363	12	RM	60	.095	.145	1
37370	8	RT	48	.085	.131	5/8
37367	10	RT	60	.085	.131	5/8
37366	12	RT	60	.095	.145	5/8

Machine Type (key on page 5)

TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
			■	■		■					
			■	■	■	■					
			■	■	■	■					
			■	■	■	■					
			■	■		■					
			■	■	■	■					
			■	■	■	■					

Materials

- ✓ Wood & Wood Based Material
- ✓ Non-Ferrous Metal
- ✓ Plastics

Application Guide

● Excellent	⊙ Above Average	○ Average	⊖ Not Recommended
Crosscut <ul style="list-style-type: none"> ● To 1" (8", 10", 12" Only) ● To 2-1/2" (10", 12" Only) ● Over 2-1/2" (12" Only) 	Mitre Cuts <ul style="list-style-type: none"> ⊙ Wood - RT, RM, GP ⊙ Plastic - RM, GP ⊙ Non-Ferrous Metal - RM, GP 	Aluminum & Aluminum Extrusions <ul style="list-style-type: none"> ⊙ 3/16" - 1/2" - RM, GP ⊙ 1/2" - 1" - RM ⊖ 1" 	
Ripping <ul style="list-style-type: none"> ⊖ Rough Cut ⊙ Average Cut ⊙ Smooth Cut ⊖ Green Lumber 	Plywood <ul style="list-style-type: none"> ⊙ RT, GP 	Copper, Brass <ul style="list-style-type: none"> ○ To 3/8" - RM ○ Over 3/8" - RM 	
Combination <ul style="list-style-type: none"> ○ Rip More, Crosscut Less ● Rip Less, Crosscut More 	Particle Board <ul style="list-style-type: none"> ⊙ GP 	Plastics <ul style="list-style-type: none"> ○ Hard, Brittle - RM ○ Medium - RM ○ Medium Soft - RM, RT 	
	Laminate on Particle Board <ul style="list-style-type: none"> ⊙ To 1-1/2" ○ To 2-1/2" ⊖ Over 2-1/2" 		
	Double Laminate <ul style="list-style-type: none"> ⊖ 		



• GLUE JOINT RIP • RESCUE BLADE



GLUE JOINT RIP

For glue joint smooth, straight ripcuts in all types of solid woods. Specially designed Triple Chip Grind produces smooth, true surfaces for gluing and finish work. Highly recommended for cutting hardwoods. Select lower tooth count for power feed applications.

RESCUE BLADE

Super-rugged blades for fire department rescue saw service (Not to exceed 6500 RPM). Specially designed to perform superbly on gasoline powered demolition and rescue saws. All tips chamfered to reduce damage and give maximum strength to the cutting edge. Fifteen degree negative hook angle assures safe operation by preventing overfeeding. #37372, actual saw diameter is 300mm to fit metric machines.

Grind

- GR** Triple Chip Grind; 22° Hook
- MR** Triple Chip Grind; 22° Hook, with Keyway
- DR** Triple Chip Grind; 15° Hook, 1 Pinhole
- RU** Not to exceed 6500 RPM

Blade Descriptions

GLUE JOINT RIP							Machine Type (key on page 5)											
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
37208	250/10	GR	24	.080	.125	5/8	■	■	■					■	■			
37207	10	GR	30	.095	.145	5/8	■		■					■	■			
37215	10	GR	40	.095	.145	5/8	■		■					■	■			
37209	305/12	GR	24	.080	.125	1	■		■					■	■			
37210	12	GR	36	.109	.161	1	■		■					■	■			
37212	12	MR	36	.109	.161	3.125												■
37213	12	GR	40	.109	.161	1	■		■					■	■			
37214	14	GR	36	.120	.172	1	■		■					■	■			

RESCUE

Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor
37372	300mm	RU	12	.095	.141	1
37373	12	RU	24	.092	.140	1
37374	14	RU	24	.092	.140	1

Materials

- ✓ Wood & Wood Based Material
- X Non-Ferrous Metal
- X Plastics

Application Guide

● Excellent	⊙ Above Average	○ Average	⊘ Not Recommended
Crosscut		Ripping	
⊘ To 1"	⊙ To 2-1/2"	⊙ Rough Cut	● Average Cut
⊙ To 2-1/2"	⊘ Over 2-1/2"	● Smooth Cut	● Green Lumber



PRECISION TRIM



For exceptionally smooth end trimming and crosscutting in all types of solid wood and plywood. Superfinished alternating bevel teeth cleanly sever wood fibers. Specially designed Triple Chip Grind produces smooth, true surfaces for gluing. This is the ideal production blade for high-quality commercial crosscut applications. In general, select higher tooth count for smoother cuts.

Blade Descriptions							Machine Type <small>(key on page 5)</small>											
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
37355	8	PT	40	.085	.131	5/8	■	■		■			■					
37370	8	RT	48	.085	.131	5/8	■	■		■			■					
37357	8	PT	60	.085	.131	5/8	■	■		■			■					
37352	9	PT	60	.085	.131	5/8	■	■		■			■					
37360	10	PT	40	.085	.131	5/8	■	■	■	■	■	■						
37367	10	RT	60	.085	.131	5/8	■	■	■	■								
37347	10	PT	60	.085	.131	5/8	■	■	■	■								
37419	10	SF	60	.085	.131	5/8	■	■	■	■								
37338	10	PT	80	.085	.131	5/8	■	■	■	■								
37342	10	PT	100	.085	.131	5/8	■	■	■	■								
37343	12	PT	60	.095	.145	1	■	■	■	■								
37366	12	RT	60	.095	.145	5/8	■	■	■	■	■	■						
37420	12	SF	60	.095	.145	1	■	■	■	■								
37346	12	PT	80	.095	.145	1	■	■	■	■								
37345	12	PT	100	.080	.110	1	■	■	■	■								
37339	12	PT	100	.095	.145	1	■	■	■	■								
37333	14	PT	60	.109	.161	1	■	■	■	■								
37325	14	PT	80	.109	.161	1	■	■	■	■								
37421	14	SF	80	.109	.161	1	■	■	■	■								
37331	14	PT	100	.080	.125	1	■	■	■	■								
37330	14	PT	100	.109	.161	1	■	■	■	■								
37328	15	PT	100	.090	.135	1	■	■	■	■								
37327	16	PT	60	.120	.172	1	■	■	■	■								
37326	16	PT	80	.120	.172	1	■	■	■	■								
37332	16	PT	100	.120	.172	1	■	■	■	■								
37329	18	PT	60	.134	.190	1	■	■	■	■								
37334	18	PT	100	.134	.190	1	■	■	■	■								

Grind	
PT	Alternate Top Bevel; 10° Hook
SF	Super Finish Steep Alternate Top Bevel Grind; 10° Hook
RT	Radial Trim Alternate Top Bevel; -6° Hook, Wood

Application Guide			
● Excellent	◎ Above Average	○ Average	⊗ Not Recommended
Crosscut ● To 1" ● To 2-1/2" ◎ Over 2-1/2"	Combination ⊗ Rip More, Crosscut Less ⊗ Rip Less, Crosscut More	Particle Board ●	Laminate on Particle Board ○ To 1" ○ To 2-1/2" ○ Over 2-1/2"
Ripping ⊗ Rough Cut ⊗ Average Cut ⊗ Smooth Cut ⊗ Green Lumber	Mitre Cuts ⊗ Wood ⊗ Plastic ⊗ Non-Ferrous Metal	Double Laminate ⊗	
	Plywood ●		

Materials
✓ Wood & Wood Based Material
✗ Non-Ferrous Metal
✗ Plastics



Beautiful finish cuts with less waste and less feed force. These blades require less horsepower, and save valuable material. Excellent choice for the discriminating woodworker and for smaller saws. NOT recommended for radial arm saws! CAUTION: Because these blades feed easier, use extreme care in alignment, machine maintenance and operation. Always use saw guards. If guards are too thick to accommodate a Thin Line™ blade, consult the machine manufacturer for recommended modification.

Grind	
PC	Triple Chip Grind; 10° Hook, Wood/Plastic
BB	4 Tooth and Raker Grind (4ATB1 Raker) Planer; 15° Hook
MC	Triple Chip Grind; -2° Hook (Thin Line™ Blades)
PT	Alternate Top Bevel; 10° Hook
HR	Triple Chip Grind; 20° Hook (Thin Line™ Blades)

Materials	
✓	Wood & Wood Based Material
✓	Non-Ferrous Metal
✓	Plastics

Blade Descriptions							Machine Type <i>(key on page 5)</i>											
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
37232	8-1/4	HR	24	.050	.080	5/8	■	■		■	■		■					
37093	8-1/4	BB	30	.050	.080	5/8	■	■		■	■		■					
37440	8-1/4	PT	40	.050	.080	5/8	■	■		■	■		■					
37444	8-1/4	PT	60	.050	.080	5/8	■	■		■	■		■					
37231	10	HR	24	.060	.093	5/8	■	■										
37437	10	PT	40	.060	.093	5/8	■	■		■								
37092	10	BB	50	.060	.093	5/8	■	■		■								
37439	10	PT	60	.060	.093	5/8	■	■		■								
37337	10	PT	80	.070	.099	5/8	■	■		■								
37308	10	PC	60	.070	.099	5/8	■	■		■								
37302	10	PC	80	.070	.099	5/8	■	■		■								
37230	12	HR	24	.065	.095	1	■	■										
37438	12	PT	48	.065	.095	1	■	■		■								
37445	12	PT	72	.065	.095	1	■	■		■								
37296	12	PC	100	.080	.110	1	■	■		■								
37345	12	PT	100	.080	.110	1	■	■		■								
37292	14	PC	100	.080	.125	1	■	■		■								
37331	14	PT	100	.080	.125	1	■	■		■								
37441	15	MC	100	.090	.135	1	■	■		■								
37328	15	PT	100	.090	.135	1	■	■		■								

Application Guide				
● Excellent	⊙ Above Average	○ Average	⊖ Not Recommended	
Crosscut ● To 1" ● To 2-1/2" ● Over 2-1/2"	Combination ● Rip More, Crosscut Less ● Rip Less, Crosscut More Mitre Cuts ● Wood ● Plastic (10", 12", 14", 15" Only) - PC ● Non-Ferrous Metal - (14", 15" Only) - MC, PC	Plywood ● Particle Board ⊙ Laminate on Particle Board ⊙ To 1" ⊙ To 2-1/2" ⊙ Over 2-1/2"	Double Laminate ⊖ Aluminum & Aluminum Extrusions ● 3/16" - 1/2" - MC ● 1/2" To 1" - MC ⊙ Over 1-1/2" - MC Copper, Brass ⊙ To 3/8" - RM ⊙ Over 3/8" - RM	Plastics ● Hard, Brittle - (10", 12", 14", 15") - PC ⊙ Medium - PC ⊙ Medium Soft - PC



SUPER FINISH TRIM SAW



Extremely fine cross-cutting in all kinds of solid woods. Super Finish tooth geometry gives a planed, splinter-free finish that requires virtually no sanding. Feed speeds must be kept up to prevent scorching.



Blade Descriptions							Machine Type <small>(Key on page 5)</small>												
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP	
37419	10	SF	60	.085	.131	5/8	■		■	■									
37420	12	SF	60	.095	.145	1	■		■	■									
37421	14	SF	80	.109	.161	1	■		■	■									

Grind
SF Super Finish Steep Alternate Top Bevel Grind; 10° Hook

Application Guide

● Excellent ⊙ Above Average ○ Average ⊘ Not Recommended

Crosscut ● To 1" (9", 10", 12", 14" Only) ● To 2-1/2" (12", 14" Only) ● Over 2-1/2" (14" Only)	Combination ⊘ Rip More, Crosscut Less ⊘ Rip Less, Crosscut More Mitre Cuts ⊙ Wood ⊘ Plastic ⊘ Non-Ferrous Metal Plywood ●	Particle Board ⊙ Laminate on Particle Board ⊘ To 1-1/2" ⊘ To 2-1/2" ⊘ Over 2-1/2" Double Laminate ⊘
Ripping ⊘ Rough Cut ⊘ Average Cut ⊘ Smooth Cut ⊘ Green Lumber		

Materials
 ✓ Wood & Wood Based Material
 X Non-Ferrous Metal
 X Plastics



Chip-free cuts in high-pressure laminates and delicate hardwood veneers without a scoring saw. TABLE SAWS ONLY.

Our unique tooth geometry enables this blade to produce cuts that are amazingly clean and chip-free even in the most delicate laminates. But unlike hollow-face grinds, the LV blade stays sharp even in demanding production applications and is easily serviced. Now equipped with EDGELAST™ anti-corrosion, sub-micron tips for longer service between sharpenings.

Grind

LV Negative K Land Grind

Blade Descriptions

Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor
37258	10	LV	60	.085	.131	5/8
37255	12	LV	80	.095	.145	1

Machine Type (Key on page 5)

TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
■	■	■				■					
■	■	■				■					

NOTE:

Blade height is very critical for chip-free cutting. The height should be adjusted to where no chip-out occurs on either side. If there is top chipping, raise the blade. If there is bottom chipping, lower the blade.

Materials

- ✓ Wood & Wood Based Material
- X Non-Ferrous Metal
- X Plastics

Application Guide

- Excellent
- ⊙ Above Average
- Average
- ⊘ Not Recommended

Crosscut

- To 1"
- ⊙ To 2-1/2"
- ⊘ Over 2-1/2"

Ripping

- ⊘ Rough Cut
- ⊘ Average Cut
- ⊘ Smooth Cut
- ⊘ Green Lumber

Combination

- ⊘ Rip More, Crosscut Less
- ⊘ Rip Less, Crosscut More

Mitre Cuts

- ⊘ Wood
- ⊘ Plastic
- ⊘ Non-Ferrous Metal

Plywood

-

Particle Board

- ⊙

Laminate on Particle Board

- To 1"
- To 2-1/2"
- Over 2-1/2"

Double Laminate

-



MELAMINE-VENEER



Our Melamine-Veneer blade is designed, for chip-free cutting of fine veneers and melamine whether single or double-faced. This will soon be your favorite blade for all your laminate or veneer projects. Our C-4 wear-resistant carbide tip gives you smooth, precision cuts while lasting longer between sharpenings.



Blade Descriptions							Machine Type <small>(Key on page 5)</small>												
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP	
50601	10	MV	60	.085	.128	5/8	■	■	■										■
50602	10	MV	80	.085	.128	5/8	■	■	■										■

Grind
MV Melamine-Veneer; -6° Hook

Application Guide

Excellent
 Above Average
 Average
 Not Recommended

- | | | |
|--|--|--|
| <p>Crosscut</p> <ul style="list-style-type: none"> <input type="radio"/> To 1" Only <input type="radio"/> To 2" <input type="radio"/> Over 2-1/2" <p>Ripping</p> <ul style="list-style-type: none"> <input type="radio"/> Rough Cut <input type="radio"/> Average Cut <input type="radio"/> Smooth Cut | <p>Combination</p> <ul style="list-style-type: none"> <input type="radio"/> Rip More, Crosscut Less <input type="radio"/> Rip Less, Crosscut More <p>Mitre Cuts</p> <ul style="list-style-type: none"> <input type="radio"/> Wood <input type="radio"/> Plastic <input type="radio"/> Non-Ferrous Metal <p>Plywood</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Veneer | <p>Particle Board</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Double-sided Melamine <p>Laminate on Particle Board</p> <ul style="list-style-type: none"> <input type="radio"/> To 1-1/2" <input type="radio"/> To 2-1/2" <input type="radio"/> Over 2-1/2" |
|--|--|--|

- ## Materials
- Wood & Wood Based Material
 - Non-Ferrous Metal
 - Plastics



Specially designed for cutting plastics and plastic/particle board overlays, as well as trimming of solid woods and plywoods. These blades produce smooth, chip-free cuts on plastics and overlay materials. Minimum burning and melting on heat-sensitive plastics. Many users select this blade specifically for mitre-cutting of hardwoods.

Grind	
MW	2 Alternate Top Bevel and 1TC Grind; 10° Hook
RT	Radial Trim Alternate Top Bevel; -6° Hook, Wood
PC	Triple Chip Grind; 10° Hook, Wood/Plastic

NOTE:
Higher tooth count should be used on thin and brittle materials, lower tooth count for thicker and low-melting point materials. Too many teeth tend to cause excessive friction, melting, blade gumming and rough, ragged cuts. Feel the chips - if they're hard, you're generating too much heat. Try feeding the material faster.

Blade Descriptions							Machine Type (Key on page 5)												
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP	
37289	8	PC	40	.085	.131	5/8	■	■		■	■		■						
37293	8	PC	60	.085	.131	5/8	■	■		■	■		■						
37304	9	PC	60	.085	.131	5/8	■	■		■	■		■						
37305	10	PC	40	.085	.131	5/8	■	■	■	■	■	■	■						
37308	10	PC	60	.070	.099	5/8	■	■	■	■	■	■	■						
37309	10	PC	60	.085	.131	5/8	■	■	■	■	■	■	■						
37302	10	PC	80	.070	.099	5/8	■	■	■	■	■	■	■						
37301	10	PC	80	.085	.131	5/8	■	■	■	■	■	■	■						
37297	12	PC	60	.095	.145	1	■		■	■	■	■	■						
37295	12	PC	80	.095	.145	1	■		■	■	■	■	■						
37296	12	PC	100	.080	.110	1	■		■	■	■	■	■						
37318	12	PC	100	.095	.145	1	■		■	■	■	■	■						
37294	14	PC	60	.109	.161	1	■		■	■	■	■	■						
37310	14	PC	80	.109	.161	1	■		■	■	■	■	■						
37292	14	PC	100	.080	.125	1	■		■	■	■	■	■						
37291	14	PC	100	.109	.161	1	■		■	■	■	■	■						
37290	16	PC	60	.120	.172	1	■		■	■	■	■	■						
37288	16	PC	80	.120	.172	1	■		■	■	■	■	■						
37298	16	PC	100	.120	.172	1	■		■	■	■	■	■						
37319	16.5	MW	120	.135	.181	1												Midwest Automation	
37314	18	PC	60	.134	.190	1	■		■	■	■	■	■						
37303	18	PC	100	.134	.190	1	■		■	■	■	■	■						

Materials	
✓	Wood & Wood Base Material
X	Non-Ferrous Metal
✓	Plastics

Application Guide			
● Excellent	◎ Above Average	○ Average	⊖ Not Recommended
Crosscut ● To 1" ● To 2-1/2" ● Over 2-1/2"	Combination ● Rip More, Crosscut Less ● Rip Less, Crosscut More Mitre Cuts ● Wood ● Plastic ● Non-Ferrous Metal	Plywood ● Particle Board ◎ Laminate on Particle Board ◎ To 1-1/2" ◎ To 2-1/2" ◎ Over 2-1/2"	Double Laminate ⊖ (Formica types) Plastics ● Hard, Brittle ● Medium ◎ Medium Soft



DOUBLE MITRE



Used on production style double mitre machines such as CTD and Pistorius, in wood and non-ferrous applications. The Double Mitre blade is the perfect choice for picture frame shops, window and door manufacturers or anywhere that production type mitre machines are used. The DW provides chip-free mitres in wood. Use the DM for clean, burr-free cuts in aluminum or other non-ferrous metals. **ALUMINATOR™** design.



Blade Descriptions							Machine Type (Key on page 5)											
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
37173	10	DW	80	.098	.122	5/8				■	■		■			■		
37174	10	DW	100	.098	.122	5/8				■	■	■	■			■		
37191	10	WM	96	.100	.125	5/8				■	■	■				■		
37188	10	DM	80	.098	.128	5/8	■		■	■	■	■	■			■		
37194	10	DM	100	.100	.130	5/8	■		■	■	■	■	■			■		
37176	12	DW	80	.110	.135	5/8				■	■		■			■		
37181	12	DW	80	.110	.135	1				■	■		■			■		
37178	12	DW	100	.110	.135	5/8				■	■	■	■			■		
37187	12	DW	100	.110	.135	1				■	■	■	■			■		
37198	12	DM	80	.110	.122	5/8	■			■	■	■	■			■		
37201	12	DM	80	.110	.122	1	■			■	■	■	■			■		
37197	12	DM	100	.110	.122	5/8	■			■	■	■	■			■		
37179	12	DM	100	.110	.122	1	■			■	■	■	■			■		
37180	12	WM	90	.110	.135	5/8				■	■	■				■		
37170	12	WM	108	.110	.135	5/8				■	■	■				■		
37184	12	WM	108	.110	.135	1				■	■	■				■		

Grind	
DM	Triple Chip Grind Aluminator™ HSR™ GOLD/Non Ferrous
DW	4 Alternate Top Bevel and 1 Raker; Wood
WM	Modified Triple Chip Grind, -3° Hook; HSR™ GOLD, Wood/Non-Ferrous

Application Guide			
● Excellent	⊙ Above Average	○ Average	⊘ Not Recommended
Crosscut ● To 1" ● To 2-1/2" ⊙ Over 2-1/2"	Mitre Cuts ● Wood ● Plastic ● Non-Ferrous Metal	Aluminum & Aluminum Extrusions ● 3/16 - 1/2" ● 1/2" - 1" ● Over 1-1/2"	
Ripping ⊙ Rough Cut ⊙ Average Cut ⊙ Smooth Cut ⊙ Green Lumber	Plywood ⊙	Copper, Brass ● To 3/8" ● Over 3/8"	
Combination ⊙ Rip More, Crosscut Less ⊙ Rip Less, Crosscut More	Particle Board ●	Plastics ⊙ Hard, Brittle ● Medium ⊙ Medium	
	Laminate on Particle Board ⊙ To 1" ⊙ To 2-1/2" ⊙ Over 2-1/2"		
	Double Laminate ○		

Materials
✓ Wood & Wood Based Material
✓ Non-Ferrous Metal
✓ Plastics

• SOLID SURFACE • HEAVY DUTY METAL

**SYSTI
MATIC™**



SOLID SURFACE

New hybrid carbide alloy for longer life and durable edge. New technologically advanced saw tip geometry for smoother cuts, giving you less sanding and finishing time.



HEAVY DUTY METAL

Rugged utility blade for cutting all non-ferrous metals. The perfect choice for abusive and blade damage applications. These blades are tough and extremely safe to use. The unique, "controlled-chip" design meters and limits the amount of material which can be cut by each tooth. This makes it virtually impossible to over feed or grab. Ideal for thicker stock. Ideal for radial arm, mitre and table saws. Excellent for wood and plastic cutting as well. HSR™ Gold treated for extra long life.



Blade Descriptions							Machine Type (key on page 5)												
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP	
SOLID SURFACE																			
37412	7-1/4	SS	40	.072	.120	5/8													
37403	8	SS	40	.085	.120	5/8													
37410	8	SS	48	.085	.120	5/8													
37408	10	SS	48	.085	.120	5/8													
37409	10	SS	60	.075	.120	5/8													
37404	12	SS	60	.095	.130	1													
37378	12	SS	72	.095	.130	1													
37407	14	SS	72	.109	.149	1													
37405	300mm	SS	60	.095	.135	30mm													
37406	300mm	SS	72	.085	.135	30mm													
HEAVY DUTY METAL																			
37268	8	HM	24	.085	.125	5/8													
37265	10	HM	30	.095	.135	5/8													
37270	12	HM	40	.109	.149	1													
37275	14	HM	48	.120	.160	1													
37278	16	HM	60	.134	.174	1													
37269	18	HM	70	.134	.174	1													
37271	20	HM	80	.148	.188	1													

Grind

- SS** Modified Top Bevel; -6° Hook to +10° Hook
- HM** Triple Chip Grind; -2° Hook

Materials

- ✓ Wood & Wood Based Material
- ✓ Non-Ferrous Metal
- ✓ Plastics

REMEMBER:

Always clamp and lubricate when sawing non-ferrous metals! **Clamping** reduces vibration, gives a smoother cut and reduces the chances of shoulder breakage. Proper lubrication alleviates galling and chocking of the gullet with metal chips.

Use page 22 for the Application Guide



FINE AND SUPERFINE DADO SETS



Materials

- ✓ Wood & Wood Based Material
- X Non-Ferrous Metal
- X Plastics

Grind

DC DADO CHIPPERS
for SUPERFINE DADOS

DS-FINE
FINE DADO SETS
Set consists of: (2) 22 tooth outside blades, (1) 1/16" 2 tooth chipper, (4) 1/8" 2 tooth chippers.
Maximum RPM Rating:
6" - 8500 RPM, 8" - 8500 RPM, 10" - 6500
RPM Maximum Arbor Dia:
6", 8", 10" to 1-1/4"; 12" to 2-1/2"

DS-SFINE
SUPERFINE DADO SETS
Set consists of: (2) 42 tooth outside blades, (1) 1/16" 6 tooth chipper, (4) 1/8" 6 tooth chippers.
Maximum RPM Rating:
8" - 8000 RPM, 10" - 6500 RPM
(Please check with machine manufacturer for recommended arbor weight and RPM rating).

FINE DADO SETS

The SystiMatic™ standard for the past 40 years. Commercial quality, designed to dado solid woods and wood grain materials, stackable to 13/16" wide. Add more chippers for wider dados. Shims available to adjust to precise widths needed (see page 25). Excellent results in solid woods, smooth bottom cuts. Not recommended for portable table saws or light weight machinery.

SUPERFINE DADO SETS

42-tooth outer blades and six-wing round chippers give absolutely smooth and perfectly square bottom dado cuts. The ultimate commercial dado. This unique design runs vibration-free and cuts significantly smoother than any other dado ever made. Gives superb results in all applications including high-speed production environments with chip-prone materials such as fine veneers and thin laminates. Stackable up to 13/16" wide. Add more chippers for wider dado cuts. Shims available to adjust to precise widths required (see page 25). Due to the mass of these commercial tools, we do not recommend them for portable table saws or lightweight machinery.

Blade Descriptions

FINE DADO					
Item#	Dia.	Grind	Teeth	Arbor	Width
37142	6	DS-FINE	16	5/8	13/16
37155	8	DS-FINE	22	5/8	13/16
37152	8	DS-FINE	22	1	13/16
37165	10	DS-FINE	22	5/8	13/16
37120	10	DS-FINE	22	1	13/16
37133	12	DS-FINE	22	1	13/16
37132	12	DS-FINE	28	1	13/16
DADO CHIPPERS FOR FINE DADOS					
Item#	Dia.	Grind	Teeth	Arbor	Width
37145	6	DC	2	5/8	1/16
37146	6	DC	2	5/8	1/8
37147	8	DC	2	5/8	1/16
37148	8	DC	2	5/8	1/8
37140	8	DC	2	1	1/16
37138	8	DC	2	1	1/8
37126	10	DC	2	5/8	1/16
37139	10	DC	2	5/8	1/8
37129	10	DC	2	1	1/16
37130	10	DC	2	1	1/8
37135	12	DC	2	1	1/16
37136	12	DC	2	1	1/8

SUPERFINE DADO					
Item#	Dia.	Grind	Teeth	Arbor	Width
37160	8	DS-SFINE	42	5/8	13/16
37163	8	DS-SFINE	42	1	13/16
37122	10	DS-SFINE	42	5/8	13/16
37124	10	DS-SFINE	42	1	13/16
DADO CHIPPERS FOR SUPERFINE DADOS					
Item#	Dia.	Grind	Teeth	Arbor	Width
37149	8	DC	6	5/8	1/16
37169	8	DC	6	5/8	1/8
37150	8	DC	6	5/8	1/16
37153	8	DC	6	1	1/8
37128	10	DC	6	5/8	1/16
37116	10	DC	6	5/8	1/8
37131	10	DC	6	1	1/16
37134	10	DC	6	1	1/8

DADO SAWS (OUTSIDE L & R)					
Item#	Dia.	Grind	Teeth	Arbor	Width
37144	6	FSAW L	16	5/8	1/10
37156	8	FSAW L	22	5/8	1/10
37157	8	FSAW L	22	1	1/10
37158	8	FSAW L	42	5/8	1/10
37159	8	FSAW L	42	1	1/10
37137	10	FSAW L	22	5/8	1/10
37117	10	FSAW L	22	1	1/10
37119	10	FSAW L	42	5/8	1/10
37118	10	FSAW L	42	1	1/10
37127	12	FSAW L	28	1	1/10
37662	6	FSAW R	16	5/8	1/10
37663	8	FSAW R	22	5/8	1/10
37664	8	FSAW R	22	1	1/10
37665	8	FSAW R	42	5/8	1/10
37666	8	FSAW R	42	1	1/10
37667	10	FSAW R	22	5/8	1/10
37668	10	FSAW R	22	1	1/10
37670	10	FSAW R	42	5/8	1/10
37669	10	FSAW R	42	1	1/10
37751	12	FSAW R	28	1	1/10

SHIM SETS, COLLARS & BUSHINGS

**SYSTI
MATIC™**



STAINLESS STEEL DADO SHIM SETS

Stainless Steel precision shims for the ultimate width adjustment on all standard dado sets with 5/8" or 1" bore. Set consists of (five) 2-1/2" diameter shims, (one) .005", (one) .015" and (three) .010".

PRECISION SUPPORT COLLARS

Precision Support Collars provide added saw blade stability helping reduce noise, vibration and saw blade deflection. Collars are precision ground and leveled. They work especially well with the Thin Line™ Saw Blades and all rip blades. Support collars will improve any blade's performance. Two (2) collars per set.



SAW BUSHINGS

SystiMatic™ stocks precision machined metal-alloy bushings for reducing standard size arbor holes. Bushings are in stock and are easily installed with a tight fit to assure concentricity and smooth cuts. Never use stamped or plastic bushings and demand machined bushings for best blade performance.

Blade Descriptions

STAINLESS STEEL DADO SHIM SETS

Item#	Dia.	Bore	Width
35931	2-1/2	5/8	5 pieces
35925	2-1/2	1	5 pieces

PRECISION SUPPORT COLLARS

Item#	Dia.	Grind	Arbor	Thickness
36685	3-1/2	PSC	5/8	.100
36690	6	PSC	5/8	.100
36692	6	PSC	1	.100

SAW BUSHINGS

Item#	Inside Dia.	Outside Dia.	Thickness
35937	1/2	5/8	.058
35938	5/8	3/4	.065
35941	5/8	7/8	.065
35934	5/8	1	.083
35932	5/8	1-1/4	.086
35930	5/8	skill	.083
35939	3/4	1	.083
35942	7/8	1	.083
35943	3/4	1-1/8	.053
35936	1	20mm	.083
35933	1	1-1/8	.109
35940	1	1-1/4	.109
35944	1	30mm	.085
35945	1	1-1/2	.120

Materials

- ✓ Wood & Wood Based Material
- ✓ Non-Ferrous Metal
- ✓ Plastics



SystiMatic™ Euroline™ blades featured on pages 26-28 are designed to offer users of European style panel processing equipment world class quality saw blades at affordable prices.

Our technologically advanced manufacturing processes which include numerically controlled laser cutting, salt tempering heat treatment, and automated flattening and tensioning assure that you receive the tightest tolerances available for your equipment.

Combined with our new European Length EdgeLast™ submicro grain corrosion resistant carbide teeth which are designed to stay sharper longer in the corrosive cutting conditions found in panel products, our EuroLine blades will provide unmatched performance in any production setting. Each blade is specifically tailored to the machine it runs on.



HORIZONTAL PANEL BLADES

APPLICATION: Clamp beam machinery cutting plastic laminated and melamine faced board, single sheets or in stacks. Match with conical grind scoring blades (see page 28). Triple Chip Chamfered Raker grind.

Grind

HP Horizontal Panel (Horizontal Beam Panel Blades)

Materials

- ✓ Wood & Wood Based Material
- X Non-Ferrous Metal
- X Plastics

Blade Descriptions

Item #	Dia.	Grind	Teeth	Bore	Plate	Kerf	Hook	Machine
37237	300mm	HP	72	1"	.086	.126	12	
37238	300mm	HP	72	30mm	.086	.126	12	Scheer, Panhans
37235	350mm	HP	72	1-1/4"	.110	.173	12	SCMI
37234	350mm	HP	72	75mm	.110	.173	12	Giben, Euromac
37239	350mm	HP	72	80mm	.110	.173	12	Casadei
37243	380mm	HP	72	60mm	.110	.173	12	Holzma
37247	400mm	HP	72	30mm	.110	.173	12	Scheer, Schelling
37242	400mm	HP	72	75mm	.110	.173	12	Giben, Euromac
37251	420mm	HP	72	60mm	.110	.173	12	Holzma
37252	450mm	HP	72	60mm	.110	.173	12	
37253	450mm	HP	72	80mm	.110	.173	12	Holzma, Gabbiani
37254	500mm	HP	72	60mm	.148	.190	12	Giben

GANG AND STRAIGHT LINE, VERTICAL PANEL & SLIDING TABLE

**SYSTI
MATIC™**



GANG AND STRAIGHT LINE

APPLICATION: Cutting solid dry wood. Triple Chip Grind-GR. Flat Top Grind-RG.

VERTICAL PANEL BLADES

APPLICATION: Cutting plastic-laminated and melamine-faced chip board, without scoring blades. Inverted "V" grind.

SLIDING TABLE BLADES

APPLICATION: Cutting plastic-laminated and melamine-faced chip board on single or both sides. Match with 2 piece split or conical grind scoring blades (see page 28). Triple Chip Chamfered Raker Grind.

Blade Descriptions								Machine Type (key on page 5)									
--------------------	--	--	--	--	--	--	--	------------------------------	--	--	--	--	--	--	--	--	--

GANG AND STRAIGHT LINE RIP *With (2) 20mm x 5mm keyways								TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
Item #	Dia.	Grind	Teeth	Bore	Plate	Kerf	Hook												
37208	250/10	GR	24	5/8"	.080	.125	22	■	■	■						■	■		
37209	305/12	GR	24	1"	.080	.125	22	■		■						■	■		
37218	250	RG	20	70mm*	.070	.110	20									■	■		
37219	350	RG	28	70mm*	.098	.137	22									■	■		

VERTICAL PANEL BLADES *With (2) 7mm P.H. on 42mm B.C.

Item #	Dia.	Grind	Teeth	Bore	Plate	Kerf	Hook	Machine
37449	8	VP	60	5/8"	.085	.118	-6	Safety Speed Cut, Milwaukee
37446	220mm	VP	64	30mm	.085	.126	10	Holz-Her*
37450	250mm	VP	60	30mm	.085	.126	-6	Interwood
37447	300mm	VP	72	30mm	.085	.126	-6	Striebig, Holz-Her

SLIDING TABLE BLADES

Item #	Dia.	Grind	Teeth	Bore	Plate	Kerf	Hook	Machine
37414	300mm	ST	60	1"	.085	.126	12	SCMI, Griggio
37416	300mm	ST	60	30mm	.085	.126	12	Altendorf, Casadei
37237	300mm	HP	60	1"	.085	.126	12	SCMI, Griggio
37238	300mm	HP	72	30mm	.085	.126	12	Altendorf, Casadei
37415	350mm	ST	72	30mm	.085	.126	12	Altendorf, Holz-Her, Casadei

Grind

- GR** Triple Chip Grind; 22° Hook
- RG** Rip Gang (Rip Gang Saws)
- VP** Vertical Panel
(Vertical Panel Blades)
- ST** Sliding Table
(Sliding Table Blades)
- HP** Horizontal Panel (Horizontal
Beam Panel Blades)

Materials

- ✓ Wood & Wood Based Material
- X Non-Ferrous Metal
- X Plastics



SCORING BLADES (2 PIECE, SPLIT)

APPLICATION: Used on panel saws or sliding table saws with separate scoring units. These blades are sold in pairs, for chip-free cuts on both sides of the material. Can be used in conjunction with our Horizontal Panel or Sliding Table blades (see page 26 & 27).

SCORING BLADES CONICAL GRIND

APPLICATION: Used on panel saws or sliding table saws with separate scoring units. These blades offer chip-free cuts on both sides of the material. The kerf changes as the depth of penetration increases due to the conical-type design. Can be used in conjunction with our Horizontal Panel or Sliding Table blades (see page 26 & 27). Please be sure to pick a kerf range that matches the main blade in use.

Grind

- SS** Modified Top Bevel;
-6° Hook to +10° Hook
- SC** Scoring Conical

Materials

- ✓ **Wood & Wood Based Material**
- X Non-Ferrous Metal
- X Plastics

Blade Descriptions

SCORING BLADES (2 PIECE, SPLIT)

Item #	Dia.	Grind	Teeth	Bore	Kerf	Hook	Machine
37394	100mm	SS	2 X 12	3/4	.110 - .142	10	SCMI

SCORING BLADES CONICAL GRIND

Item #	Dia.	Grind	Teeth	Bore	Plate	Kerf	Hook	Machine
37393	100mm	SC	24	3/4	.085	.123 - .150	0	SCMI, Minimax
37399	120mm	SC	24	3/4	.110	.170 - .210	0	SCMI
37398	120mm	SC	24	20mm	.110	.170 - .210	0	Casadei
37396	120mm	SC	24	3/4	.085	.123 - .150	0	SCMI
37389	125mm	SC	24	3/4	.085	.123 - .150	0	SCMI, Griggio
37386	150mm	SC	30	30mm	.110	.170 - .210	0	Gabianni
37384	150mm	SC	30	40mm	.110	.170 - .210	0	Casadei
37383	160mm	SC	36	55mm	.110	.170 - .210	0	SCMI
37382	175mm	SC	28	45mm	.110	.170 - .210	0	Holzma
37380	200mm	SC	34	30mm	.110	.170 - .210	0	Scheer, Schelling
37379	200mm	SC	34	45mm	.110	.170 - .210	0	Holzma
37390	200mm	SC	60	30mm	.085	.123 - .150	0	Scheer

• TFE BANDITS™ • 3 BLADE COMBO PACK



TFE BANDITS™

SystiMatic™ was the first to design Red TFE Coated Bandits Blades. These blades when properly maintained will give a 400% increase in tool life over standard Black Coated blades, with up to 6 more sharpenings. Our TFE is a tough commercial aerospace grade, with low drag coefficient used for high friction wear areas. Our exclusive tooth geometry gives you the ultimate smooth cut performance required in all types of wood and wood grain materials. TFE Bandits come in an Alternate Top Bevel and Alternate Face Bevel with the exception of 37431 and 37428 with Chamfered Raker and 37443 with Chamfered Flat Top.



Blade Descriptions							Machine Type (key on page 5)											
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor	TS	PT	ST	MS	CM	SC	RA	SL	GR	DM	HB	VP
37423	8	TF	60	.065	.089	5/8		■		■	■							
37434	8.5	TF	60	.065	.089	5/8	■	■	■	■	■	■						
37433	10	TF	24	.080	.104	5/8	■	■	■					■	■			
37431	10	TF	55	.080	.104	5/8	■	■	■	■	■	■						
37426	10	TF	80	.080	.104	5/8	■	■	■	■	■	■						
37428	12	TF	66	.095	.119	1	■		■	■	■	■						
37430	12	TF	100	.080	.104	1	■		■	■	■	■						
37432	14	TF	100	.080	.104	1	■		■	■	■	■						
37436	15	TF	100	.090	.114	1	■		■	■	■	■						

Grind	
TF	TFE Coated (TFE Bandits™ Coated Blades)
HR	Flat Top Grind; 22° Hook
BB	4 Tooth and Raker Grind (4ATB1 Raker) Planer; 15° Hook
PT	Alternate Top Bevel; 10° Hook

Application Guide				
● Excellent	◎ Above Average	○ Average	⊖ Not Recommended	

Crosscut

- To 1" - TF
- To 2-1/2" - TF

Mitre Cuts

- Wood - TF

Materials	
✓	Wood & Wood Based Material
X	Non-Ferrous Metal
X	Plastics

3 BLADE COMBO PACK

Three of our best sellers bundled together:

- (1) Rip blade, 10" X 24 Tooth #37229
- (1) Combination blade, 10" X 50 Tooth #37102
- (1) Precision Trim blade, 10" X 60 Tooth #37347

A perfect combination for tackling any woodworking job with professional cabinet shop results. Makes a great gift!



For machine type applications, please refer to page 13 for Rip blade #37229; page 7 for Combination blade #37102; page 15 for Precision Trim blade #37347.

Blade Descriptions						
ITEM #37286 consists of:						
Item#	Dia.	Grind	Teeth	Plate	Kerf	Arbor
37229	10	HR	24	.095	.145	5/8
37102	10	BB	50	.085	.131	5/8
37347	10	PT	60	.085	.131	5/8



JUMP SAW



Our Jump Saw blades are manufactured specifically for the rigors of undercut sawing. SystiMatic™ saw blades are manufactured by skilled machinists with decades of experience. Start buying the BEST saws for your machine. No one can reproduce jump saws to our exacting standards.

Designed to cut hardwoods, plastics, copper, brass, aluminum, and other non-ferrous materials.

- Designed for Undercut Sawing
- Strong, Durable C-4 Carbide Tips
- Alternate Top-Bevel & Face Bevel
- Greater Cutting Force
- Smoother Cuts
- Triple Chip Design

Grind

ATB/AFB	Alternate Top Bevel/ Alternate Face Bevel
TCG	Triple Chip Grind non-ferrous

Blade Descriptions

Item#	Diameter	Grind	Teeth	Plate	Kerf	Arbor
52101	18.125	ATB/AFB	108	.125	.165	1
52102	18.125	TCG non-ferrous	108	.125	.165	1
52103	20.000	ATB/AFB	120	.134	.174	1

Materials

- ✓ **Wood & Wood Based Material**
- X Non-Ferrous Metal
- X Plastics

Application Guide

● Excellent ⊙ Above Average ○ Average ⊘ Not Recommended

Crosscut

- To 1" Only
- To 2"
- Over 2-1/2"

Ripping

- ⊘ Rough Cut
- ⊘ Average Cut
- ⊘ Smooth Cut
- ⊘ Green Lumber

Combination

- ⊘ Rip More, Crosscut Less
- ⊘ Rip Less, Crosscut More

Mitre Cuts

- ⊘ Wood
- ⊘ Plastic
- ⊘ Non-Ferrous Metal

Plywood

-

Particle Board

- ⊙

Laminate on Particle Board

- ⊘ To 1-1/2"
- ⊘ To 2-1/2"
- ⊘ Over 2-1/2"

SYSTIMATIC™ CATALOG ITEM NUMBERS



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35925	25	37132	24	37212	14	37287	22	37355	15	37423	29
35930	25	37133	24	37213	14	37288	20	37357	15	37426	29
35931	25	37134	24	37214	14	37289	20	37360	7, 15	37428	7, 29
35932	25	37135	24	37215	14	37290	20	37361	10	37430	29
35933	25	37136	24	37218	27	37291	20	37362	10	37431	7, 29
35934	25	37137	24	37219	27	37292	11, 16, 20	37363	10, 12	37432	29
35936	25	37138	24	37220	13	37293	20	37364	12	37433	29
35937	25	37139	24	37221	13	37294	20	37365	10, 12	37434	29
35938	25	37140	24	37222	13	37295	20	37366	10, 12, 15	37436	29
35939	25	37142	24	37223	13	37296	11, 16, 20	37367	10, 11, 12, 15	37437	7, 16
35940	25	37144	24	37225	13	37297	20	37368	10, 11, 12	37438	16
35941	25	37145	24	37228	13	37298	20	37370	12, 15	37439	16
35942	25	37146	24	37229	13, 29	37301	20	37371	10, 11, 12	37440	16
35943	25	37147	24	37230	16	37302	16, 20	37372	14	37441	11, 16, 22
35944	25	37148	24	37231	16	37303	20	37373	14	37444	16
35945	25	37149	24	37232	16	37304	20	37374	14	37445	10, 11, 16
36685	25	37150	24	37234	26	37305	7, 20	37375	13	37446	27
36690	25	37152	24	37235	26	37308	16, 20	37376	13	37447	27
36692	25	37153	24	37237	26, 27	37309	20	37378	23	37449	27
36697	10	37155	24	37238	26, 27	37310	20	37379	28	37450	27
36698	10	37156	24	37239	26	37313	10	37380	28	37662	24
37092	16	37157	24	37242	26	37314	20	37382	28	37663	24
37093	16	37158	24	37243	26	37318	20	37383	28	37664	24
37094	7	37159	24	37247	26	37319	20	37384	28	37665	24
37095	7	37160	24	37251	26	37320	8	37386	28	37666	24
37098	7	37163	24	37252	26	37321	8	37389	28	37667	24
37102	7, 29	37165	24	37253	26	37322	8	37390	28	37668	24
37104	7	37169	24	37254	26	37323	8	37393	28	37669	24
37105	7	37170	21	37255	18	37325	15	37394	28	37670	24
37107	7	37173	21	37258	18	37326	15	37396	28	37751	24
37111	9	37174	21	37261	11	37327	15	37398	28	50601	19
37112	9	37176	21	37263	11	37328	11, 15, 16	37399	28	50602	19
37113	9	37178	21	37265	23	37329	15	37403	23	51821	6
37114	9	37179	21, 22	37267	22	37330	15	37404	23	52101	30
37115	9	37180	21	37268	23	37331	11, 15, 16	37405	23	52102	30
37116	24	37181	21	37269	23	37332	15	37406	23	52103	30
37117	24	37184	21	37270	23	37333	15	37407	23		
37118	24	37187	21	37271	23	37334	15	37408	23		
37119	24	37188	21, 22	37274	22	37336	10	37409	23		
37120	24	37191	21	37275	23	37337	16	37410	23		
37122	24	37194	21, 22	37278	23	37338	15	37412	23		
37124	24	37197	21, 22	37279	22	37339	15	37414	27		
37126	24	37198	21, 22	37280	22	37342	15	37415	27		
37127	24	37201	21, 22	37281	22	37343	15	37416	27		
37128	24	37207	14	37282	22	37345	11, 15, 16	37419	15, 17		
37129	24	37208	14, 27	37283	22	37346	15	37420	15, 17		
37130	24	37209	14, 27	37284	22	37347	15, 29	37421	15		
37131	24	37210	14	37285	22	37352	15	37421	17		



Measurement & Standard Saw Gauge Equivalents

FRAC	DEC	MM	GAUGE	FRAC	DEC	MM	GAUGE
1	1.000	25.4		5/16	3.125	7.9375	0
	.9843	25			.300	7.62	1
31/32	.9687	24.6062			.284	7.239	2
	.9449	24		9/32	.2812	7.1438	
15/16	.9375	23.8125			.2756	7	
29/32	.9062	23.0188			.259	6.5786	3
	.9055	23		1/4	.250	6.35	
7/8	.875	22.225			.238	6.0452	4
	.8662	22			.2362	6	
27/32	.8437	21.4312			.220	5.588	5
	.8268	21		7/32	.2187	5.5562	
13/16	.8125	20.6375			.203	5.1562	6
	.7874	20			.1969	5	
25/32	.7812	19.8438		3/16	.1875	4.7625	
3/4	.750	19.05			.180	4.572	7
	.7480	19			.165	4.191	8
23/32	.7187	18.2562			.1575	4	
	.7087	18		5/32	.1562	3.9688	
11/16	.6875	17.4625			.148	3.7592	9
	.6693	17			.134	3.4036	10
21/32	.6562	16.6688		1/8	.125	3.175	
	.6299	16			.120	3.048	11
5/8	.625	15.875			.1181	3	
19/32	.5937	15.0812			.109	2.7686	12
	.5906	15			.095	2.413	13
9/16	.5625	14.2875		3/32	.0937	2.3812	
	.5512	14			.083	2.1082	14
7/32	.5312	13.4938			.0787	2	
	.5118	13			.072	1.8288	15
1/2	.500	12.7			.065	1.651	16
	.4724	12		1/16	.0625	1.5875	
15/32	.4687	11.9062			.058	1.4732	17
7/16	.4375	11.1125			.049	1.2446	18
	.4331	11			.042	1.0668	19
13/32	.4062	10.3188			.0394	1	
	.3937	10	00		.035	.889	20
	.380	9.652		1/32	.0312	.7938	
	.375	9.525					
	.3543	9					
	.340	.8636	0				
	.3150	8					

Saw Dia.	RIM Speed - Surface Feet Per Minute				
	8,000	9,000	10,000	12,000	14,000
	Arbor - Revolutions Per Minute				
4"	7,639	8,594	9,549	11,459	13,369
5"	6,111	6,875	7,639	9,167	10,695
6"	5,092	5,729	6,366	7,639	8,912
7"	4,365	4,911	5,457	6,548	7,639
8"	3,819	4,297	4,774	5,729	6,684
9"	3,395	3,819	4,244	5,093	5,941
10"	3,055	3,437	3,819	4,583	5,347
11"	2,777	3,125	3,472	4,167	4,861
12"	2,546	2,864	3,188	3,819	4,456
14"	2,182	2,455	2,728	3,274	3,819
16"	1,909	2,148	2,387	2,864	3,342
18"	1,697	1,909	2,122	2,546	2,970
20"	1,527	1,718	1,910	2,292	2,674
22"	1,388	1,562	1,736	2,083	2,430
24"	1,273	1,432	1,592	1,190	2,228
26"	1,175	1,322	1,469	1,763	2,056
28"	1,091	1,227	1,364	1,637	1,910
30"	1,018	1,146	1,273	1,528	1,782
32"	954	1,074	1,198	1,432	1,671
34"	898	1,011	1,123	1,348	1,572
36"	848	954	1,061	1,273	1,485
38"	804	904	1,005	1,206	1,407
40"	763	859	955	1,146	1,337
42"	728	818	910	1,091	1,273
44"	694	781	868	1,041	1,215
46"	664	747	830	996	1,162
48"	636	716	796	955	1,114
50"	611	687	764	916	1,069
52"	587	661	734	881	1,028
54"	566	637	707	849	990
56"	546	614	682	818	955
58"	526	593	658	790	922
60"	509	573	636	764	891
62"	493	554	616	740	862
64"	477	537	597	716	836
66"	462	521	579	694	810
68"	449	505	562	674	786
70"	436	491	546	655	764
72"	424	477	530	636	742
74"	413	464	516	619	722
76"	402	452	502	603	704
78"	392	440	490	587	685
80"	382	429	477	573	668
82"	373	419	465	559	652
84"	364	409	455	546	636
96"	318	358	398	477	557
108"	283	318	354	424	495





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