

AT THE CUTTING EDGE OF TECHNOLOGY

EVERLAST

SAW & CARBIDE

TOOLS, INC.

www.everlastsaw.com



Dear Valued Customer,

EVERLAST began with the belief that quality and service to its customers was the formula for future success. Founded by Mr. Pat Farengo in 1947, EVERLAST started as a service company specializing in the maintenance of cutting tools used in the woodworking industry.

As the introduction and use of Tungsten Carbide Tipped Tools became more widely acceptable in woodworking, EVERLAST began to specialize in TCT Tooling and started to manufacture specialty tooling, router bits, and saw blades.

In 1974 EVERLAST turned all of its attention and efforts to producing the highest quality TCT Saw Blades and now carries a product range from 2 inches to 18 inches in diameter in its standard program and 2 inches to 22 inches in diameter in its custom made saw program. Millimeter sizes are also included.

Our standard saw line includes saws for such specialty applications as Glue Line, Solid Surface, Mitre, Countertop, and Plastic Cutting.

We also offer a line of the highest quality Router Bits, Metric Boring Bits, Face Frame Bits, and Solid Carbide Spiral Compression Bits. All items are backed by the Everlast Guarantee of Quality.

Please see our catalogue pages for complete details, and be sure to visit our website at www.EVERLASTSAW.com, for up to the minute product information.

Sincerely

A handwritten signature in black ink, which appears to read "Vincent Farengo". The signature is written in a cursive style with a long, sweeping tail on the final letter.

Vincent Farengo
President

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Specialtytools.com
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WARRANTY

Everlast (hereinafter "we", "our", and "us") warrants each tool to be free of defects at the time of manufacture and, within the limits of our control, for the normal life of the tool, provided the tool has not been misapplied or misused. This warranty does not extend to any tool which has been worn out or made dull from extended use or which has been altered or modified by sharpening or other servicing performed on the tool by a facility other than our own. Any tool believed to be a defective should be returned to us, postage prepaid, for our inspection so that we may determine whether or not a defect exists. If we determine a tool to be defective, we will repair or replace it, at our option, free of charge. We disclaim responsibility for any incidental or consequential damages arising from the failure of any tool to conform to this warranty or other standards. The above warranty is in lieu of all other warranties express or implied. Everlast is continuously involved in research to upgrade the quality and productivity of its tools, and users are invited to contact Everlast for information about the most up-to-date developments and improvements in its tool technology.



CARBIDE TIPPED CIRCULAR SAW BLADES

SAFETY GUIDE

for the operation of CARBIDE TIPPED SAW BLADES

Read Completely Before Attempting To Operate Carbide Tipped Saw Blades

This leaflet of safety and operating instructions is not intended to be and is not totally comprehensive; that is it does not and cannot cover every possible safety problem which may arise in using specialized and standard tooling on varying machines and applications. This leaflet is rather intended to generally describe many of the basic safety and operating procedures which should be followed and to describe the types of safety considerations which should be considered in operating cutting tools.

None of the statements or information presented in this leaflet should be interpreted to imply any warranty or safety protection.

The drawings do not depict any particular design, type, or size of tools equipment or machines. The drawings are illustrative only and are not to be construed to establish any exact mode, method or procedure.

All Federal and State laws and regulations having jurisdiction covering the safety requirements of cutting tools at the point of usage take precedence over the statements and information presented in this leaflet. Users of cutting tools must of course adhere to all such regulations. As an aid to cutting tools users a number of such regulations are listed below. The list does not include all regulations that may apply.

1. The Federal Register dated June 27 1974 Dept. of Labor Office of Safety and Health Administration (The OSHA Act)
2. American National Standards Institute, 01.1-1975 (Safety Regulations for Woodworking Machinery)
3. American National Standards Institute 02.1-1969 (Safety Requirements for Sawmills).
4. American National Standards Institute P1.1-1969 (Safety Requirements for Pulp Paper and Paper board Mills).
5. Other ANSI, State and/or Federal Codes and Regulations which may apply in your operation.

SAFETY RULES WHICH APPLY TO THE OPERATION OF ALL CARBIDE TIPPED CUTTING TOOLS

1. Always inspect the cutting tool completely before mounting. Never attempt to operate a tool which has chipped or bent teeth or cutting edges or teeth that are not sharp. You must be familiar with normal wear conditions for the type of tooling to be used. The tool must be completely clean to allow proper visual inspection.

2. Do not attempt to operate cutting tools or machinery with which you are not familiar or have not received operational training—get assistance from your supervisor, his designated representative, or a trainer who is familiar and properly trained and experienced on the machine to insure your safety. Become completely familiar with all of the machinery manufacturer's written instructions, guides and manuals before operating machine. You must use and be familiar with all controls safety devices and emergency stop mechanisms to operate a machine safely.

3. Never operate a cutting tool that is not properly aligned to the direction of feed. Do not allow sideward twisting or other than forward pressure on the cutting tool in feeding material into a cut.

4. Make sure the tool is mounted to rotate in the proper direction before cutting any material. The tool must rotate against, rather than with the direction of feed on all hand feed machines. Do not climb on hand feed machines.

5. Do not cut materials of a type hardness¹ or density² other than that which the cutting tool was designed to cut. Never attempt to cut materials with a tool unless you have personally checked with your supervisor to make sure the cutting tool was designed for the specific type of material you wish to cut and for the depth of cut desired. This is particularly important when attempting to cut "stacked" material i.e. cutting more than one piece at a time.

6. Never force-feed materials into a cutting tool such that it causes the tool or machine motor to slow down below operating speeds. A safe and proper cutting operation will not require much force in feeding material. If material begins to "ride up" on the cutting tool or requires undue pressure to feed the material into the tool or if undue vibration is experienced do not continue the cut—turn off all power and correct the condition.

7. Keep body and clothing well clear of all cutting tools and other moving parts while the machine is in operation. Use work holding fixtures and mechanical feed devices in all possible cases. When cutting material of such size shape or type that it necessitates close approximation to the cutter and mechanical feed

1. **Hardness** is the resistance of a material to being cut or the strength of a material to resist tearing or breaking.
2. **Density** is the compactness of a material compared to its volume.

mechanisms cannot be used, use a wood "push stick" to feed the material so that no part of your body or clothing comes close to the cutting tool.

8. Never attempt to clean a cutting tool or clear pieces of material from the cutting area while machine power is "on" or when cutting tools, material or any part of the machine is moving. Allow cutter rotation to stop by itself, or by use of a brake if supplied on the machine. Never attempt to stop or slow a rotating cutting tool by applying a hand-held or any other object to the cutter, arbor, spindle or drive as a brake.

9. Do not place your body in the rotational path of a cutting tool unless absolutely necessary and then only if there is a complete and adequate barrier between you and the cutting tool. Remember that carbide tips are very hard, and therefore brittle. The tips can break away under incorrect side thrust or twisting forces or if foreign material is allowed to contact the tips. An operator can reduce the danger of being hurt by a "kickback" of the material if he always stands **beside** the material he is feeding into the machine rather than in back of it.

10. Never leave machines unattended while cutting tools are still rotating or any part of the machine or material is moving.

11. Never operate a machine without using all of the hoods, guards, hold-downs and safety devices for the machine being operated.

12. Machines must be maintained to the manufacturer's standards and current safety standards.

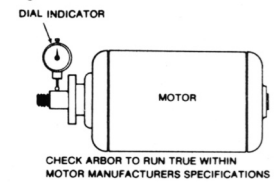
13. Always wear safety glasses or face shield to completely protect your eyes when operating cutting tools.

CIRCULAR SAW BLADES AND SAW MACHINE TOOLS MOUNTING INSTRUCTIONS

1. **TURN OFF AND LOCK OUT ALL MACHINE POWER.** Clean the saw arbor, saw collars, sleeve and arbor nut. Remove nicks and burrs by very lightly honing any nicked or burred area. (Do not use coarse tiles or abrasives).
2. **WITH ALL MACHINE POWER OFF AND LOCKED OUT** pull and push on the machine arbor sideways in and out by hand (without rotating the arbor). There should be no feeling of movement. Next rotate the arbor by hand. If the bearings are in proper condition the arbor should turn freely with no sticking or rubbing. To check the arbor set up a dial indicator as shown in Fig. 1. The arbor should run true within the

manufacturer's specifications. Set the dial indicator to bear on the fixed collar of the arbor and turn the arbor (Fig 2) The collar should run true within the

Fig. 1



machine manufacturer's specifications.

3. **WITH ALL POWER OFF AND LOCKED OUT**, align the saw blade with the direction of feed. A method of checking alignment is to mount a flat ground plate of 10 or 12 inches diameter by 1/4 inch thick on the saw arbor in the same manner as a saw blade (see Fig. 3). Set up a dial indicator

Fig. 2

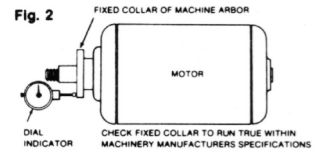
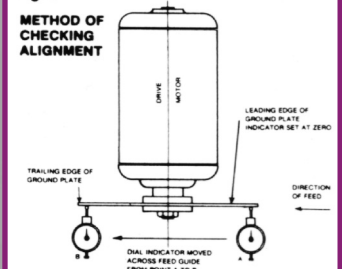


Fig. 3



so it can be moved by hand along the guide rail or feed mechanism. Position this dial indicator so it can traverse across the plate either above or below the mounting collars. Set the dial indicator to zero at the leading edge of the plate (Position A. Fig. 3) and move it across the plate to the trailing edge (Position B Fig. 3)



Reproduced with permission from WMTA.

Any error in the plate flatness can be eliminated by rotating the plate by hand so that point A is moved to point B when reading the indicator. Any deviation in angularity between the saw blade and the direction of feed should be maintained within the machine manufacturer's recommendations. On double cut-off and panel trim machines any slight angularity in alignment should be controlled so that the trailing edge of the saw blades do not re-cut the material.

4. WITH ALL MACHINE POWER OFF AND LOCKED OUT, inspect the saw blade before mounting. The bore (center hole) must be the correct size and fit snugly. Do not force a saw or other type of tool on an arbor. Do not tighten mounting screws unequally or use incorrectly fitted keys. Incorrect mounting of saws or other tools can cause tool breakage and create dangerous operating conditions. Never mount a saw blade with a damaged (deeply scored or out of round) bore or arbor. Inspect the teeth carefully. Do not mount blades with damaged bodies dull or damaged (bent or chipped) teeth. Never use anything other than accurate metal shims or spacers if saw blades have to be positioned on the arbor. Never use shims to "wobble" a saw blade³. Be sure that all saw collars used match exactly in diameter. Closely check to see that the arbor nut threads are not worn and the wrench surfaces of the arbor nut are not rounded off.

5. WITH ALL MACHINE POWER OFF AND LOCKED OUT, mount the saw blade on the arbor making sure that the saw blade is turning in the correct rotation and that the arbor nut tightens in a direction opposite to the blade rotation (See Fig 4A & 4B) Unless the

the tool is correctly mounted, properly locked on the arbor (See Fig 4A & 4B), turns freely (no foreign objects in tool rotation path) and is properly positioned for the cutting operation required (See Fig 3). Check to see that the cutting tool is not dull or damaged. Check to see that the body of the saw blade is not cracked⁴. Take special precaution to check "stacked cutters" to be sure that all bolts, pins and threaded parts are not worn or damaged, and are properly mounted. Be sure that hubs on all "split" circular tools are properly fitted and pinned and that the locking collars are in place and fit properly. Do not use locking collars that are not matched to the "split tool". Split collars on split tools are not recommended.

2. WITH ALL MACHINE POWER OFF AND LOCKED OUT insure that you are not attempting to operate tools that do not conform to the machine manufacturer's machine load specifications in either size or weight, or that do not mount according to the machine design limitations. Operate saw machine tools only on the type of materials, cutting loads and operation applications for which the tools were designed. (If you don't know this information, ask your supervisor) Do not operate saw blades or saw machine tools in excess of the machine or tool manufacturer's specifications, or current applicable OSHA standards, or in excess of 18,000 sfm (surface feet per minute)⁵ (See Charts A and B following)

3. WITH ALL MACHINE POWER OFF AND LOCKED OUT position the cutting tool, material guides and material hold-downs so that the material to be cut is fully supported. This will insure there will be minimal material vibration. Next, follow the machine manufacturer's instructions to mount all guards over the tools such that the guards are close to, but properly clear, the material being cut. Mount and activate all of the machine safety devices such as Anti-kickback mechanisms, spreaders, dust hoods and safety switches. Make sure all personnel and all loose or foreign objects are clear of the machine and cutting tools.

4. TURN ON MACHINE POWER, start the tool rotation slowly before feeding material. This is done by "jogging" (that is, pressing the start button and immediately after that pressing the stop button). At a safe distance, observe the operating condition of the tools (by sight and sound) as they rotate slowly. Next, **TURN ALL MACHINE POWER OFF AND LOCKED OUT**, wait until all cutting tools stop rotating by themselves (do not attempt to stop their rotation yourself unless a brake is specifically provided for that purpose on the machine), and make any necessary corrections. Go through all steps noted in paragraph 3, just above, before you **TURN THE MACHINE POWER ON**. Press the start button and allow the machine to operate at full speed

for at least one minute before feeding material.

OPERATING SPEEDS FOR CARBIDE TIPPED CIRCULAR SAW BLADES

Carbide tipped circular saw blades of the types commonly used in the machining of materials typical of the toughness and density range of most wood species composition boards, medium hard plastics, and the softer non-ferrous metals must never be operated in excess of the machinery or tool manufacturer's recommendations or current applicable OSHA standards, or in excess of 18,000 sfm (surface feet per minute) whichever is lowest. Surface feet per minute (sfm) refers to the peripheral or rim speed of a cutting tool that is, the speed at which the outer cutting teeth are rotating when the tool is at full speed. This speed increases as the tool diameter and/or motor arbor or spindle rpm increase. The maximum speed of 18,000sfm is allowable only when the machinery being used is in excellent operating condition and is excellently maintained. When using older or worn machinery, or when cutting materials of an unusual toughness⁶ or density⁷ the surface feet per minute or material feed rate or both, should be reduced to speeds where, the tool cuts easily and freely without excessive vibration or high tooth impact shock. Most woods, plastics, and the medium-hard non ferrous metals will cut better with longer tool life at surface feet per minute ranging from 8,000 sfm to

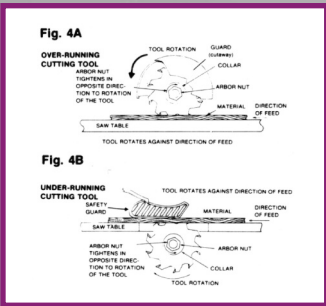
16,000 sfm, depending on the hardness and machining characteristics of the material being cut. As the rim speed (surface feet per minute) of a circular saw blade is decreased, feed rates must be decreased accordingly to prevent the forcing of material into the cutting tool and overloading of the cutting teeth.

The method of determining the surface feet per minute (sfm) of rotary cutting tool is as follows:

$$.26 \times D \times \text{RPM} = \text{SFM}$$

where D = diameter of the tool in inches
 RPM = rotating speed, in revolutions per minute
 SFM = rim speed, in surface feet per minute
 .26 = this number is used to convert the tool circumference from inches to feet (3.14 divided by 12)

Remember that changing to a larger diameter cutting tool at the same machine spindle or arbor speed increases the surface feet per minute rim speed of the tool. Never make assumptions as to any machine motor rpm since machines and individual motors can be modified. **WITHOUT ANY CUTTING TOOLS MOUNTED ON THE MACHINE** check the rpm of each motor using an rpm tachometer. Once the cutting tool diameter and motor rpm are known you can check Chart A, (following) to see if a saw blade will be operating within the 18,000 surface feet per minute maximum rim speed specified. For diameters not covered by Chart A use the sfm (surface feet per minute) formula above. For the circular sawing of magnesium, copper lead, brass or bronze, note the **LOWER** surface speed limitations on Chart B. For harder or more difficult to cut materials consult the tool manufacturer.



machine is specifically designed for such cutting, never mount saw machine tools to "climb cut" (teeth cutting in the same direction of feed) on manually fed machines. Never use saw blades on operations for which they were not designed; for example, do not use rip design blades to cut across the grain, etc.

CIRCULAR SAW BLADES AND SAW MACHINE TOOLS START-UP PROCEDURES

1. TURN OFF AND LOCK OUT ALL MACHINE POWER. Never assume previously set machine or tool conditions to be correct. Be sure that

3. Mounting a saw blade to "wobble" means to shim the blade body unequally on one side, throwing the saw out of alignment with the arbor. This causes the saw to make a wider cut and dangerously increases pressures on the tool.

- 4. "All cracked saws shall be removed from service." Department of Labor OSHA Standards, Federal Register 29 CFR Part 1910 213(S) (7)
- 5. The term "surface feet per minute" refers to the peripheral or rim speed of a cutting tool. See "Operating Speeds for Carbide Tipped Rotary Cutting Tools" below.

- 6 Toughness is the resistance of a material to being cut or the strength of a material to resist tearing or breaking.
- 7 Density is the compactness of a material compared to its volume.

Chart A

18,000 SFM (SURFACE FEET PER MINUTE) MAXIMUM RPM ROTATING SPEEDS FOR CARBIDE TIPPED CIRCULAR SAW BLADES TYPICAL OF COMMERCIAL DESIGN, THICKNESS AND GRADE STANDARDS (DO NOT OPERATE CARBIDE TIPPED CIRCULAR SAW BLADES ABOVE THE RPM ROTATING SPEEDS SHOWN)

SAW DIA. (INCHES)	MAXIMUM RPM	SAW DIA. (INCHES)	MAXIMUM RPM	SAW DIA. (INCHES)	MAXIMUM RPM
6	11538*	24	2885	44	1573
7	9890*	26	2663	46	1505
8	8654*	28	2473	48	1442
10	6923*	30	2308	50	1385
12	5769*	32	2163	52	1331
14	4945*	34	2036	54	1282
16	4327*	36	1923	56	1236
18	3846*	38	1822	58	1194
20	3461	40	1731	60	1154
22	3147	42	1648		

*Operation of saw blades in excess of 3600 RPM is not recommended and will generally result in poor tool life and cut quality.

Note: Most materials will cut better with longer tool life at speeds well below the maximum RPM rotating speed.

Chart B

MAXIMUM RIM SPEEDS, IN SURFACE FEET PER MINUTE (SFM), FOR CARBIDE TIPPED CIRCULAR SAW BLADES CUTTING THE MATERIALS LISTED BELOW

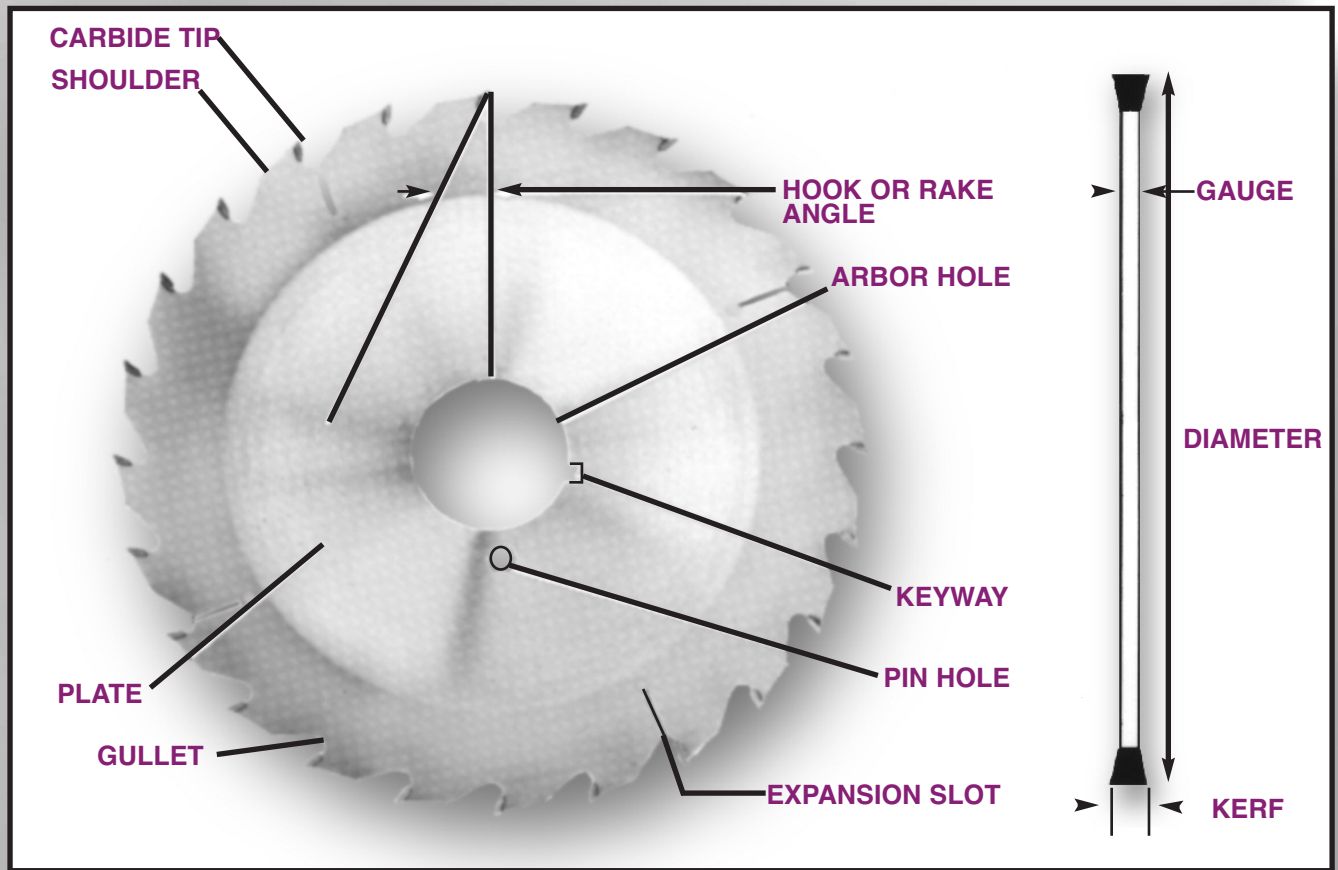
MAGNESIUM	COPPER	LEAD	UNDER 150 BRINELL BRASS	UNDER 150 BRINELL BRONZE
15,000 SFM	10,000 SFM	14,000 SFM	10,000 SFM	12,000 SFM

SOFT & MEDIUM-HARD ALUMINUM	HARD, ANODIZED ALUMINUM
18,000 SFM	12,000 SFM

Note: Most metals, including those listed, will cut better with longer tool life at speeds below the maximum surface feet per minute (sfm) rim speeds.



TECHNICAL INFORMATION



CARBIDE TIP: Extremely hard and brittle man made material which actually comes in contact with material being cut. Cemented carbide generally is composed of tungsten carbide powder and cobalt which acts as a bonding agent.

PLATE: Name given to circular body of saw in which teeth are machined in and carbide tips are inserted usually using silver solder as a bonding agent.

SHOULDER: Portion of tooth directly behind tip in which tungsten carbide is brazed giving strength and support during cutting operation.

HOOK OR RAKE ANGLE: Angle formed when cutting tooth meets center line.

GULLET: Normally circular shape at bottom of a carbide tip which allows for continuous flow of chips during cutting operation.

ARBOR HOLE, BORE, or I.D.: Term used for center hole in saw which is used to mount blade on machine arbor. Measured in inches or millimeters.

KEYWAY: Used on certain machines normally involving multiple blades on one arbor with automatic feeds to prevent slippage of saws during cutting.

PIN HOLE: Same application as keyway except machine normally has only one saw blade.

EXPANSION SLOT: Allows for heat expansion of steel during cutting operation to avoid possible cracking in plate.

GAUGE: Measurement of thickness of steel plate (body).

DIAMETER (O.D.): Measurement of particular cutting tool from the point of one tooth to the point of another tooth which lies directly opposite.

KERF: Measurement in inches or millimeters which tells the width of a particular cutting tool.

TECHNICAL INFORMATION

STANDARD TOP GRINDS



A
Alternate
Top Bevel



T
Triple Chip



S
Straight Top



TC45
Modified
Triple Chip



HI ATB
30° Alternate
Top Bevel



L
All Teeth
Beveled Left



R
All Teeth
Beveled Right



C
3 and 1



AR
Alternate
with Raker



DCO RH
D
4 and 1



SK
Steel Cut

GLUE LINE RIP SAWS

Triple Chip

An extremely stable saw offering smoother cutting for all glue line applications on either straight or shadow line rip saws.



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
GL1030	10"	30	5/8"	TCG	20°	.095	.145
GL1230	12"	30	1"	TCG	20°	.110	.160
* GL1236	12"	36	3-1/8"	TCG	20°	.118	.160
GL1436	14"	36	1"	TCG	20°	.120	.170
** GL1436D	14"	36	2" with 9/16" ph on 5" bc	TCG	20°	.120	.170
GL1636	16"	36	1"	TCG	20°	.120	.170
** GL1636D	16"	36	2" with 9/16" ph on 5" bc	TCG	20°	.120	.170

*For Mereen-Johnson

**For Diehl

HEAVY DUTY RIP SAWS

Straight Top

A saw especially developed for fast cutting on both hand and power feed ripping operations. This is accomplished by extremely large gullets, heavier plates and use of the proper clearances designed for this type of heavy duty cutting in both hard or soft woods.



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
HD824	8"	24	5/8"	STR	20°	.085	.135
HD924	9"	24	5/8"	STR	20°	.085	.135
HD1024	10"	24	5/8"	STR	20°	.095	.145
HD1024A	10"	24	5/8"	ATB	20°	.095	.145
HD30024	300mm	24	70mm w/2 keys 20mm.w x 10mm.d	STR	20°	2.2mm	3.2mm
HD1224	12"	24	24	STR	20°	.110	.160
HD1424	14"	24	24	STR	20°	.120	.170
HD1636	16"	36	36	STR	20°	.120	.170
HD1840	18"	40	40	STR	20°	.134	.170

ASTRA WOOD

Alternate Top Bevel

Everlast offers an alternative to the Forrest Woodworker II™ Blade. Exceptional cut on rip and crosscut. Rated: Excellent & Very good in Fine Woodworking Magazine.**



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
** AGP1040	10"	40	5/8"	ATB	15°	.085	.115
AGP1060	10"	60	5/8"	ATB	0°	.080	.110

**Article: "10-in. Combination Table Saw Blades"

*Trademark Forrest Mfg. Co.

COMBINATION SAWS**Alternate with Raker**

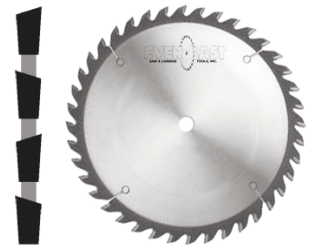
An excellent all around saw ideally suited for the small woodworking or cabinet shops where one saw is used for all different types of cutting. It can be used for ripping or cross cutting in solid woods, particle board, plywood or laminated panels.

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
CBS940	9"	40	5/8"	AR	15°	.085	.125
CBS1050	10"	50	5/8"	AR	15°	.085	.125
CBS1260	12"	60	1"	AR	15°	.110	.155
CBS1470	14"	70	1"	AR	15°	.110	.155
CBS1680	16"	80	1"	AR	15°	.120	.165

**GENERAL PURPOSE CUT-OFF SAWS****Alternate Top Bevel**

Designed for all around general purpose cutting in solid woods, plywood, masonite, chip core, and laminated formica (single sided).

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
GP840A	8"	40	5/8"	ATB	15°	.085	.125
GP940A	9"	40	5/8"	ATB	15°	.085	.125
GP1040A	10"	40	5/8"	ATB	15°	.085	.125
GP1240A	12"	40	1"	ATB	15°	.095	.135
GP1440A	14"	40	1"	ATB	15°	.120	.165
GP1640A	16"	40	1"	ATB	15°	.120	.165

**GENERAL PURPOSE CUT-OFF SAWS****Triple Chip**

Designed for all around general purpose cutting in solid woods, plywood, masonite, chip core, and laminated formica (single sided). Please note triple chip grind recommended for cutting all types of abrasive materials, such as chip board or high pressure laminates.

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
GP840T	8"	40	5/8"	TCG	15°	.085	.125
GP940T	9"	40	5/8"	TCG	15°	.085	.125
GP1040T	10"	40	5/8"	TCG	15°	.085	.125
GP1240T	12"	40	1"	TCG	15°	.095	.135
GP1440T	14"	40	1"	TCG	15°	.120	.165
GP1640T	16"	40	1"	TCG	15°	.120	.165



STANDARD PURPOSE CUT-OFF SAWS

Alternate Top Bevel

For fine finishing cuts in plywood, veneered panels, masonite coated or uncoated, crosscutting in hard or soft woods. Ideal for table saws.



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
SP71456A	7-1/4"	56	5/8"	ATB	10°	.072	.102
SP860A	8"	60	5/8"	ATB	10°	.085	.125
SP960A	9"	60	5/8"	ATB	10°	.085	.125
LSP1060A	10"	60	5/8"	ATB	10°	.085	.125
† SP30060A	300mm	60	30mm	ATB	10°	2.4mm	3.4mm
SP1260A	12"	60	1"	ATB	10°	.095	.135
SP1460A	14"	60	1"	ATB	10°	.109	.155
SP1660A	16"	60	1"	ATB	10°	.109	.155
SP1860A	18"	60	1"	ATB	10°	.134	.180

† MICRO-5 extra hard tips.

STANDARD PURPOSE CUT-OFF SAWS

Triple Chip

For fine finishing cuts in plywood, veneered panel, masonite coated or uncoated, crosscutting in hard or soft woods. Ideal for table saws. Please note triple chip grind recommended for cutting all types of abrasive materials such as chipboard or high pressure laminates.



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
SP71456T	7-1/4"	56	5/8"	TCG	10°	.072	.102
SP860T	8"	60	5/8"	TCG	10°	.085	.125
*† SP22064T	220mm	64	30mm	TCG	5°	2.2mm	3.2mm
SP960T	9"	60	5/8"	TCG	10°	.085	.125
LSP1060T	10"	60	5/8"	TCG	10°	.085	.125
† SP30060T	300mm	60	30mm	TCG	10°	2.4mm	3.4mm
SP1260T	12"	60	1"	TCG	10°	.095	.135
SP1460T	14"	60	1"	TCG	10°	.109	.155
SP1660T	16"	60	1"	TCG	10°	.109	.155
SP1860T	18"	60	1"	TCG	10°	.134	.180

* 2 ph 7mm dia. on 42mm B/C

† MICRO-5 extra hard tips.

SPECIAL PURPOSE CUT-OFF SAWS

Alternate Top Bevel

For the smoothest possible finish in plywood, veneer, laminated panels, coated hardboard, for crosscutting of both hard and soft woods up to 3/4 inch thick.



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
SPE1080A	10"	80	5/8"	ATB	5°	.085	.125
SPE1280A	12"	80	1"	ATB	5°	.095	.135
SPE1210A	12"	100	1"	ATB	5°	.095	.135
SPE1480A	14"	80	1"	ATB	10°	.109	.150
SPE1410A	14"	100	1"	ATB	5°	.109	.150
SPE1680A	16"	80	1"	ATB	10°	.109	.150
SPE1610A	16"	100	1"	ATB	5°	.120	.160
SPE1620A	16"	120	1"	ATB	5°	.120	.160
SPE1880A	18"	80	1"	ATB	10°	.134	.175
SPE1810A	18"	100	1"	ATB	10°	.134	.175
SPE1820A	18"	120	1"	ATB	10°	.134	.175

Blades for Whirlwind Machine available upon request

SPECIAL PURPOSE CUT-OFF SAWS

Triple Chip

For the smoothest possible finish in plywood, veneer, laminated panels, coated hardboard, for crosscutting of both hard and soft woods up to 3/4 inch thick. Please note triple chip grind recommended for cutting all types of abrasive materials such as chipboard or high pressure laminates.

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
SPE1080T	10"	80	5/8"	TCG	5°	.085	.125
SPE1280T	12"	80	1"	TCG	5°	.095	.135
SPE1210T	12"	100	1"	TCG	5°	.095	.135
SPE1480T	14"	80	1"	TCG	10°	.109	.150
SPE1410T	14"	100	1"	TCG	5°	.109	.150
SPE1680T	16"	80	1"	TCG	10°	.109	.150
SPE1610T	16"	100	1"	TCG	5°	.120	.160
SPE1620T	16"	120	1"	TCG	5°	.120	.160
SPE1880T	18"	80	1"	TCG	10°	.134	.175
SPE1810T	18"	100	1"	TCG	10°	.134	.175
SPE1820T	18"	120	1"	TCG	10°	.134	.175

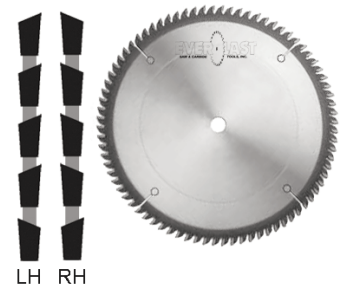


DOUBLE CUT-OFF & TRIM SAWS

4 & 1 Grind

Extra plate thickness gives these saws extreme stability when used on Double End or Panel Sizing machines, resulting in a splinter free finish on either sizing or angular cuts.

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
DCO1280LH	12"	80	1"	LH	10°	.120	.165
DCO1280RH	12"	80	1"	RH	10°	.120	.165
DCO1410LH	14"	100	1"	LH	10°	.134	.180
DCO1410RH	14"	100	1"	RH	10°	.134	.180
DCO1610LH	16"	100	1"	LH	10°	.134	.180
DCO1610RH	16"	100	1"	RH	10°	.134	.180



PLEX-CUT SAWS

TC 45

Ideally suited for cutting plastics such as acrylic, plexiglass, lucite, ABS, lexan, and PVC pipe where melting is a problem. Good for material thickness up to 3/8 inch.

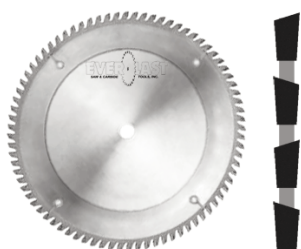
Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
PC860	8"	60	5/8"	TC45	5°	.072	.106
PC1080	10"	80	5/8"	TC45	5°	.072	.106
PC1280	12"	80	1"	TC45	5°	.085	.119



THIN RIM SAWS

Alternate Top Bevel or Triple Chip

The perfect saw to use where there is a need for a minimum of stock removal per cut, as in the cutting of plastic or veneer strips for edge banding. Maximum depth of cut on Thin Rim blade is 1-3/4 inches.



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Thin Rim Plate Thickness	Kerf
TR860A	8"	60	5/8"	ATB	10°	.086	.056	.086
TR860T	8"	60	5/8"	TCG	10°	.086	.056	.086
TR1080A	10"	80	5/8"	ATB	5°	.086	.056	.086
TR1080T	10"	80	5/8"	TCG	5°	.086	.056	.086
TR1280A	12"	80	1"	ATB	5°	.095	.062	.092
TR1280T	12"	80	1"	TCG	5°	.095	.062	.092
TR1210A	12"	100	1"	ATB	5°	.095	.062	.092
TR1210T	12"	100	1"	TCG	5°	.095	.062	.092

THIN KERF SAWS

Alternate Top Bevel

Thin kerf blades create less power drain on machine and allow for minimum of stock waste.



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
TK860A	8"	60	5/8"	ATB	5°	.072	.102
TK1024A	10"	24	5/8"	ATB	15°	.072	.102
TK1060A	10"	60	5/8"	ATB	10°	.072	.102
TK1080A	10"	80	5/8"	ATB	5°	.072	.102
TK1280A	12"	80	1"	ATB	5°	.085	.115

THIN KERF SAWS

Triple Chip

Thin kerf blades create less power drain on machine and allow for minimum of stock waste. Please note triple chip grind recommended for cutting all types of abrasive materials.



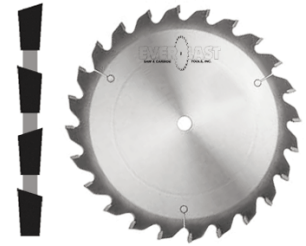
Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
TK860T	8"	60	5/8"	TCG	5°	.072	.102
TK1060T	10"	60	5/8"	TCG	10°	.072	.102
TK1080T	10"	80	5/8"	TCG	5°	.072	.102
TK1280T	12"	80	1"	TCG	5°	.085	.115

RADIAL OVERARM SAWS

Alternate Top Bevel

An excellent blade for use on all types of radial saws. Due to negative tooth design, this saw offers a minimum of grabbing which is the main problem on most overarm machines.

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
RO1024	10"	24	5/8"	ATB	-2°	.095	.135
RO1230	12"	30	5/8"	ATB	-2°	.095	.135
RO12301	12"	30	1"	ATB	-2°	.095	.135
RO1260	12"	60	5/8"	ATB	-2°	.095	.135
RO12601	12"	60	1"	ATB	-2°	.095	.135
RO1440	14"	40	1"	ATB	-2°	.120	.165
RO1640	16"	40	1"	ATB	-2°	.120	.165
RO1672	16"	72	1"	ATB	-2°	.110	.155

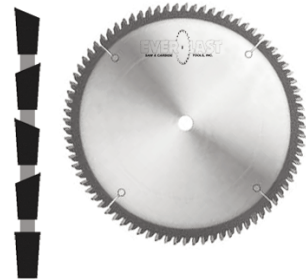


MITRE SAWS

Alternate with Raker

Especially designed for cutting wood mouldings on all types of mitre machines and Rockwell type mitre box saws. Negative tooth design provides the least possible grabbing of material.

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
MT1060	10"	60	5/8"	AR	-2°	.080	.110
MT1080	10"	80	5/8"	AR	-5°	.085	.115
* MT1080M	10"	80	5/8"	AR	0°	.072	.102
* MT1260D	12"	60	1"	ATB	0°	.080	.110
MT1280	12"	80	1"	AR	-2°	.095	.125
* MT1280D	12"	80	1"	AR	0°	.080	.110
MT1210	12"	100	1"	AR	-5°	.098	.128
MT121058	12"	100	5/8"	AR	-5°	.098	.128
MT1490	14"	90	1"	AR	-2°	.120	.150
MT141058	14"	100	5/8"	AR	-2°	.118	.150
MT1410	14"	100	1"	AR	-2°	.118	.150
* MT1510	15"	100	1"	AR	-2°	.085	.115
MT1610	16"	100	1"	AR	-2°	.120	.150



*Thin kerf for Makita, Ryobi, Craftsman, Dewalt & Hitachi

ASTRA SERIES MITRE SAWS (Wood and Non-Ferrous)

For the smoothest cutting of wood or aluminum mouldings. Extra stiff plates and special clearances provide extremely accurate cuts on double mitre machines such as Pistorius, Sampson, CTD, etc. Extra hard MICRO -5 tips used.

Saw No.	Diameter	Teeth	Bore	Hook	Grind	Plate Thickness	Kerf	Application
ASMT128058	12"	80	5/8"	-3°	AR	.095	.115	Wood
ASNF128058	12"	80	5/8"	-3°	TCG	.095	.115	Non-ferrous (Aluminum)



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DOUBLE FACE LAMINATE SAWS

30° ATB

Smoothest cutting saw for double sided materials such as Melamine, Kortron & Veneer. Can be used on radial or table saws.



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
DFL86030	8"	60	5/8"	30°ATB	-5°	.085	.115
DFL108030	10"	80	5/8"	30°ATB	-5°	.085	.115
DFL121030	12"	100	1"	30°ATB	-5°	.095	.125
DFL141030	14"	100	1"	30°ATB	-2°	.118	.148
DFL162030	16"	120	1"	30°ATB	-2°	.120	.150

NOTE: Not recommended for machines with power feeds or if material is being stacked.

MICRO-5 DOUBLE FACE LAMINATE SAWS

30° ATB

Smoothest cutting saw for double sided materials such as Melamine, Kortron & Veneer. Can be used on radial or table saws. Extra hard MICRO-5 tips last 3-5 times longer than normal carbide.



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf	Pinholes
DFL2206430	220mm	64	30mm	30°ATB	-5°	.085	.125	2/7/42
DFL2508030	250mm	80	30mm	30°ATB	-5°	.085	.115	2/7/42;2/10/60
DFL1080305	10"	80	5/8"	30°ATB	-5°	.085	.115	
DFL3001030	300mm	100	30mm	30°ATB	-5°	.085	.115	2/7/42;2/10/60
DFL1210305	12"	100	1"	30°ATB	-5°	.095	.125	

NOTE: Not recommended for machines with power feeds or if material is being stacked.

DOUBLE FACE LAMINATE SAWS

TC 45

The perfect saw for the best possible cutting of formica and Melamine laminated panels. These blades can perform equally as well on both radial or table saws.



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
DFL860	8"	60	5/8"	TC45	-5°	.085	.115
DFL1080	10"	80	5/8"	TC45	-5°	.085	.115
DFL1210	12"	100	1"	TC45	-5°	.095	.125
DFL1410	14"	100	1"	TC45	-2°	.120	.150
DFL1620	16"	120	1"	TC45	-2°	.120	.150

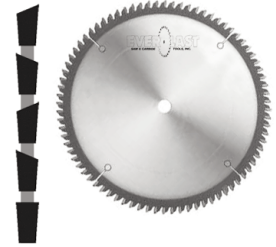
NOTE: Not recommended for machines with power feeds or if material is being stacked.

DOUBLE FACE VENEER SAWS

Alternate with Raker

A saw specifically recommended for the cutting of double sided veneered panels either with or against the grain. Will also give splinter free cuts in plywood. Also for the cutting of veneer or hardwood strips for edge banding.

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
DFV860	8"	60	5/8"	AR	-5°	.085	.115
DFV1080	10"	80	5/8"	AR	-5°	.085	.115
DFV1210	12"	100	1"	AR	-5°	.095	.125
DFV1410	14"	100	1"	AR	-2°	.120	.150
DFV1620	16"	120	1"	AR	-2°	.120	.150

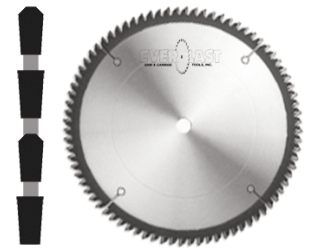


NON-FERROUS METAL CUTTING SAWS

Triple Chip

Designed for smooth, burr free cuts on all types of aluminum extrusions, thin wall tubing and thin gauge sheets with a wall thickness of 1/16 inch to 1/8 inch. These blades work particularly well on double mitre or portable mitre box machines. Please note that a lubricant should always be used during cutting and material should always be firmly secured while being cut.

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
NF740	7-1/4"	40	UNIV.	TCG	-2°	.080	.110
NF860	8"	60	5/8"	TCG	-2°	.085	.115
NF1060	10"	60	5/8"	TCG	-2°	.085	.115
NF1060TK	10"	60	5/8"	TCG	-2°	.080	.110
NF1072	10"	72	5/8"	TCG	-2°	.095	.108
NF1080	10"	80	5/8"	TCG	-5°	.094	.124
*NF1080M	10"	80	5/8"	TCG	0°	.072	.102
NF1010	10"	100	5/8"	TCG	-5°	.094	.124
NF1260	12"	60	5/8"	TCG	-2°	.095	.125
NF12601	12"	60	1"	TCG	-2°	.095	.125
NF1280	12"	80	1"	TCG	-2°	.095	.125
*NF1280D	12"	80	1"	TCG	0°	.080	.110
NF1210	12"	100	1"	TCG	-5°	.098	.128
NF121058	12"	100	5/8"	TCG	-5°	.098	.128
NF1490	14"	90	1"	TCG	-2°	.120	.150
NF1410	14"	100	1"	TCG	-2°	.120	.150
NF141058	14"	100	5/8"	TCG	-2°	.118	.150
*NF1510	15"	100	1"	TCG	-2°	.085	.115
NF1610	16"	100	1"	TCG	-2°	.120	.150
NF1810	18"	100	1"	TCG	-2°	.134	.165
NF2020	20"	120	1"	TCG	0°	.134	.170



Saw blades for vinyl window moulding can be supplied upon request

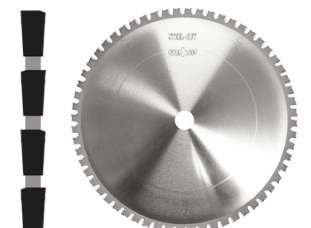
*Thin kerf for Makita, Ryobi, Craftsman, Dewalt & Hitachi.

STEEL-KUT (FOR FERROUS METAL)

"Steel-Kut" advantages: Long life compared to grinding discs, can be resharpened many times, excellent cut quality, no danger of sparks during cutting, cuts faster than grinding disc. "Steel-Kut" can be used for cutting the following materials: Steel bars, rebars, angle iron, steel channel, flat steel, aluminum bars, flat stock. "Steel-Kut" can be used on dry-cutting chop saw such as Jepsen, provided the recommended RPM is not exceeded.

Saw No.	Diameter	Teeth	Bore	Hook	Plate Thickness	Kerf
JEP1050	10"	50	5/8"	0°	.072	.088
JEP1260	12"	60	1"	0°	.072	.088
JEP1280	12"	80	1"	0°	.072	.088
JEP1472	14"	72	1"	0°	.072	.088

(Recommended R.P.M.:10"-1,750, 12"-1,500, 14"-1,300)



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ASTRA SERIES PANEL SAWS

Metric Diameter MICRO-5 Tips

For use on various models of vertical and horizontal panel saw machines. MICRO-5 extra hard micro grain tips used on all panel saw blades.



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate /Kerf (mm)	Pinholes
SP22064T	220mm	64	30mm	TCG	5°	2.2 / 3.2	2/7/42
DFL2206430	220mm	64	30mm	30°ATB	-5°	2.2 / 3.2	2/7/42
DFL2508030	250mm	80	30mm	30°ATB	-5°	2.2 / 2.9	2/7/42;2/10/60
SP30060A	300mm	60	30mm	ATB	10°	2.4 / 3.4	
SP30060T	300mm	60	30mm	TCG	13°	3.0 / 4.4	
SPE30072T	300mm	72	30mm	TCG	10°	2.2 / 3.2	2/7/42;2/10/60
SPE30010T	300mm	100	30mm	TCG	5°	2.4 / 3.4	2/7/42;2/10/60
DFL3001030	300mm	100	30mm	30°ATB	-5°	2.2 / 3.0	2/7/42;2/10/60
TK35072T	350mm	72	30mm	TCG	10°	2.5 / 3.5	2/10/60
TK35072T1	350mm	72	1"	TCG	10°	2.5 / 3.5	2/10/60
SPE35072T3	350mm	72	30mm	TCG	13°	3.0 / 4.4	
SPE35072T80	350mm	72	80mm	TCG	13°	3.0 / 4.4	2/7/110;2/14/110
SPE38072T60	380mm	72	60mm	TCG	13°	3.4 / 4.8	
SPE38072T75	380mm	72	75mm	TCG	13°	3.0 / 4.4	
SPE40072T30	400mm	72	30mm	TCG	13°	3.0 / 4.4	
SPE40072T75	400mm	72	75mm	TCG	13°	3.0 / 4.4	

ASTRA SERIES SCORING SAWS

Straight Top and Conical Sides

Used on both sliding carriage and beam type panel saws to score the bottom of panels, thus allowing large saw to cut through without chipping material on bottom side.

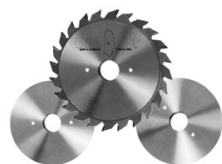


Saw No.	Diameter	Teeth	Bore	Grind	Hook	Pinholes
S10020	100mm	20	5/8"	STR (Conic.)	8°	
S420	4"	20	5/8"	STR (Conic.)	8°	
S43424	4-3/4"(120mm)	24	5/8"	STR (Conic.)	10°	
S12524	125mm	24	45mm	STR (Conic.)	10°	
S524	5" (125mm)	24	5/8"	STR (Conic.)	8°	
S624	6" (150mm)	24	5/8"	STR (Conic.)	8°	
S1603655	160mm	36	55mm	STR (Conic.)	5°	3/7/66
S1752845	175mm	28	45mm	STR (Conic.)	8°	
S1803645	180mm	36	45mm	STR (Conic.)	8°	
S2003620	200mm	36	20mm	STR (Conic.)	8°	
S2003645	200mm	36	45mm	STR (Conic.)	8°	
S2003665	200mm	36	65mm	STR (Conic.)	8°	2/9/110

SPLIT SCORING SAWS

Straight Top

Used on sliding carriage panel saws to score the bottom of panels, thus allowing large saw to cut through without chipping material on bottom side. Shims are provided to adjust kerf to match large blade.



Saw No.	Diameter	Teeth	Bore	Grind	Kerf
SS10010	100mm	2 x 10	22mm	STR	2.8 - 3.6mm
SS12012	120mm	2 x 12	22mm	STR	2.8 - 3.6mm
SS12012-34	120mm	2 x 12	3/4"	STR	2.8 - 3.6mm
SS12012-20	120mm	2 x 12	20mm	STR	2.8 - 3.6mm
SS12012-50	120mm	2 x 12	50mm	STR	2.8 - 3.6mm

NOTE: 20mm and 3/4" bushings available

ASTRA SERIES PANEL SAW SETS

Metric Diameter

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate	Kerf
FOR THE HOLZMA							
SPE38072T60	380mm	72	60mm	TCG	13°	3.4	4.8
S2003645	200mm	36	45mm	STR (Conical)	8°	3.4	4.7 / 5.7
FOR THE SCHELLING							
SPE40072T30	400mm	72	30mm	TCG	13°	3.0	4.4
S2003620	200mm	36	20mm	STR (Conical)	8°	3.0	4.3 / 5.3
FOR THE SCMI							
* SPE35072T80	350mm	72	80mm	TCG	13°	3.0	4.4
** S1603655	160mm	36	55mm	STR (Conical)	5°	3.0	4.3 / 5.3

*2 ph 14mm on 110mm B/C

**3 ph 7mm on 66mm B/C

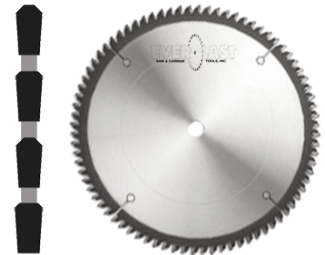


COUNTERTOP SAW

TC45

Designed to give highest quality, smoothest chip-free cuts on laminated post form countertops with backsplash. Ideally suited for post form countertop machines such as Midwest Automation and Edgetech.

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
CT1620	16"	120	1"	TC45	-2°	.118	.150



ASTRA SERIES SOLID SURFACE SAWS

TC 45

For the smoothest cutting on solid surface materials such as Corian®, Avonite®, Fountainhead® and Gibraltar®, etc. Special clearances allow for smoothest cut on these materials. Gives a finish which requires virtually no sanding or polishing. Seam quality cut.

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf	Pinholes
DFLC71440	7-1/4"	40	Univ.	TC45	-2°	.080	.104	
DFLC860	8"	60	5/8"	TC45	-2°	.086	.110	
* DFLC22064	220mm	64	30mm	TC45	-5°	.085	.115	2/7/42
* DFLC25080	250mm	80	30mm	TC45	-5°	.085	.115	2/7/42;2/10/60
DFLC1060	10"	60	5/8"	TC45	-2°	.086	.110	
DFLC1080	10"	80	5/8"	TC45	-5°	.086	.110	
* DFLC30010	300mm	100	30mm	TC45	-5°	.085	.115	2/7/42;2/10/60
DFLC1210	12"	100	1"	TC45	-5°	.095	.117	

* MICRO-5 extra hard tips.



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EVER LAST

DADO SETS

Standard #3 Set

Offers the woodworking shop one tool which will cut various size grooves up to 13/16 inch maximum width of cut. Can be used to cut either with or against grain. Fine Tooth Dado recommended for plywood, Melamine, or where extra smooth cut is needed.



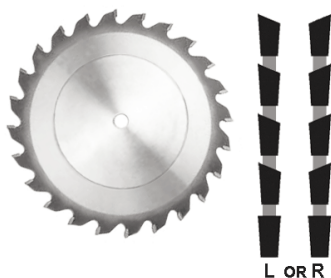
Saw No.	Diameter	Teeth	Bore	Hook	Width of Cut
DS6	6"	18	5/8"	15°	1/4" to 13/16"
DS8	8"	24	5/8"	0°	1/4" to 13/16"
DS801	8"	24	1"	0°	1/4" to 13/16"
DS10	10"	24	5/8"	15°	1/4" to 13/16"
DS101	10"	24	1"	15°	1/4" to 13/16"
DS12	12"	24	1"	15°	1/4" to 13/16"

Fine Tooth Dado Set

One set consists of: Two 1/8" outside blades
Two 1/8" chippers
One 1/4" chipper
One 1/16" chipper

Saw No.	Diameter	Teeth	Bore	Hook	Width of Cut
DS840	8"	40	5/8"	-5°	1/4" to 13/16"
DS8401	8"	40	1"	-5°	1/4" to 13/16"

OUTSIDE DADO SAWS



Saw No.	Diameter	Teeth	Bore	Grind	Hook	Kerf
OS6L	6"	18	5/8"	Left	15°	1/8"
OS6R	6"	24	5/8"	Right	15°	1/8"
OS8L	8"	24	5/8"	Left	0°	1/8"
OS8R	8"	24	5/8"	Right	0°	1/8"
OS840L	8"	40	5/8"	Left	-5°	1/8"
OS840R	8"	40	5/8"	Right	-5°	1/8"
OS10L	10"	24	5/8"	Left	15°	1/8"
OS10R	10"	24	5/8"	Right	15°	1/8"
OS12L	12"	24	1"	Left	15°	1/8"
OS12R	12"	24	1"	Right	15°	1/8"

DADO CHIPPERS



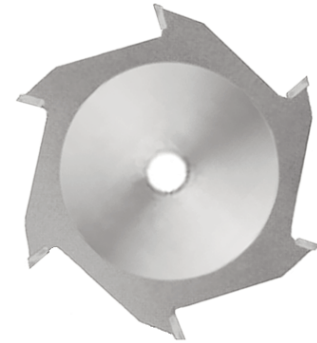
Saw No.	Diameter	Bore	Hook	Kerf
DC616	6"	5/8"	15°	1/16"
DC618	6"	5/8"	15°	1/8"
DC614	6"	5/8"	15°	1/4"
DC816	8"	5/8"	0°	1/16"
DC818	8"	5/8"	0°	1/18"
DC814	8"	5/8"	0°	1/4"
DC816N	8"	5/8"	-5°	1/16"
DC818N	8"	5/8"	-5°	1/18"
DC814N	8"	5/8"	-5°	1/4"
DC1016	10"	5/8"	15°	1/16"
DC1018	10"	5/8"	15°	1/8"
DC1014	10"	5/8"	15°	1/4"
DC1216	12"	1"	15°	1/16"
DC1218	12"	1"	15°	1/8"
DC1214	12"	1"	15°	1/4"

GROOVERS - SQUARE FACE & TOP

Straight Top

A single purpose tool to be used when a specific width of groove is desired for production runs. Will give good finish cuts when run with grain of material.

Groover No.	Diameter	Teeth	Bore	Kerf
G4184	4"	4	5/8"	1/8"
G43164	4"	4	5/8"	3/16"
G4144	4"	4	5/8"	1/4"
G6188	6"	8	5/8"	1/8"
G63168	6"	8	5/8"	3/16"
G6148	6"	8	5/8"	1/4"
G65168	6"	8	5/8"	5/16"
G6388	6"	8	5/8"	3/8"
G6128	6"	8	5/8"	1/2"
G831612	8"	12	5/8"	3/16"
G81412	8"	12	5/8"	1/4"
G851612	8"	12	5/8"	5/16"
G83812	8"	12	5/8"	3/8"
G81424	8"	24	5/8"	1/4"
G83824	8"	24	5/8"	3/8"
G1031624	10"	24	5/8"	3/16"
G101424	10"	24	5/8"	1/4"
G1051624	10"	24	5/8"	5/16"
G103824	10"	24	5/8"	3/8"



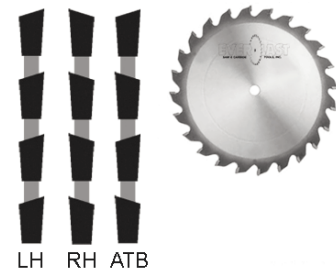
Also Available: Fine Tooth Groovers, Shear Face, and Specialty Groovers.

EDGE BANDER SAWS

Alternate Top Bevel or All Teeth Beveled to Left or Right

A specially designed saw for both single or two sided edge banding machines, for the end trimming of either wood or plastic banding materials.

Saw No.	Diameter	Teeth	Bore	Hook	Plate Thickness	Kerf
EB420	4"	20	5/8"	8°	.085	.125
EB4200	4"	20	5/8"	0°	.085	.125
EB4524	4-1/2"	24	5/8"	10°	.085	.125
EB43424	4-3/4"	24	5/8"	10°	.085	.125
EB524	5"	24	5/8"	8°	.085	.125
EB5530	5-1/2"	30	5/8"	6°	.085	.125
EB640	6"	40	5/8"	6°	.085	.125
EB6400	6"	40	5/8"	0°	.085	.125



NOTE: When ordering Alternate Top Bevel add letter A after Saw No.
 For Left Bevel add letter L after Saw No.
 For Right Bevel add letter R after Saw No.

BISCUIT CUTTER BLADE

Alternate Top Bevel

Replacement blade for most biscuit jointers such as Lamello, Virutex, etc.

Saw No.	Diameter	Teeth	Bore	Grind	Hook	Plate Thickness	Kerf
LAM10012	100mm	12	22mm	ATB	15°	.118	4mm



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