

Blade Hook Angles...

Negative Hook



Positive Hook



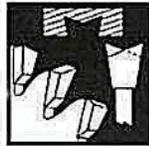
The choice of hook angle is based more on the type of machine used than the material being cut. A blade with a positive hook angle is a faster-feeding blade suitable for a rip cut. A blade with a negative hook angle is less aggressive and suitable for radial arm and miter saws and for cutting metal.

Three Basic Tooth Designs.....

Flat Top Grind



Alternate Top Bevel



Triple Chip Grind



Each tooth grind has a different purpose. A ripping blade will have a Flat Top Grind (FTG) for fast cutting with the grain. A cross cut blade will do the best job with an Alternating Top Bevel (ATB), cutting across the grain like a knife and producing a very smooth cut. A blade with a Triple Chip Grind (TCG) is good for all-purpose cutting and also gives you a very clean cut. TCG blades are also good for cutting non-ferrous metals and plastics.

ATB = alternating top bevel
FTG = flat top grind
TCG = triple chip grind



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Accurate Quality Sharpening Services

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An authorized
representative of AMANA TOOLS,
SKARPAZ, FORREST MFG.
& SYSTIMATIC (Simonds)...

FEES & CHARGES

Why buy new blades? A new circular saw blade typically has up to 15 sharpenings in it. We can also sharpen...*Planner & Jointer knives, Chipper blades, Router bits, Drill Bits, Shaper Bits, Auger Bits, Plug Cutters, Hinge Hole Bits, Scoring Blades, Lock Mitre and more.*

CIRCULAR SAW BLADE FEES....

5" to 12" (14" + add \$3)

Teeth	Charge
101—120	\$ 28.00
81—100	\$ 26.00
61—80	\$ 24.00
41—60	\$ 22.00
25—40	\$ 20.00
13—24	\$ 18.00
to 12	\$ 15.00

Rust removal & reconditioning surcharge: to \$8
Add'l \$2 charge for alternating faces on a single blade.

OTHER SHARPENING FEES (Carbide & HSS)...

Single Flute (Router Bits)		\$ 10.00
Multiple flute router bits per flute	1" length	\$ 8.00
	2" length	\$ 14.50
Router Bit Style:		
Style & Rail Sets	per flute small	\$ 6.75
Raised Panel B its	per flute med.	\$ 7.75
	per flute large	\$ 8.75
Shaper Bits & Slot Cutters	per flute small	\$ 8.00
	per flute med	\$ 10.00
	per flute large	\$ 12.00
Plug Cutters (single flute)		\$ 10.00
Scoring Blades (to 24 teeth minimum charge per blade) Min:		\$ 15.00
Planner & Jointer Knives HSS	\$1/inch	
Planner & Jointer Knives Carbide	\$1.25/inch	
European Hinge Hole Bit	\$5.50 per face	
Outside diameter teeth	\$2.00 per face	
Plate Cutters/Biscuit		\$ 15.00
Spiral Auger Bits	to 3/8"	\$ 12.00
	3/8"+ to 5/8"	\$ 15.00
	5/8"+ to 1"	\$ 18.00
	1"+	\$ 21.00
Router bit bearing maintenance		\$ 2.00
<u>Chipper Blades (per inch):</u>		
	1/4" to 3/8" face	\$ 2.00
	1/2" to 5/8" face	\$ 3.00

Tip Damage: There are times when top of teeth grinding is necessary to save and extend the life of quality blades.
Tip grinding fee is the face fee X 2.

SHIPPING & DELIVERY.....

Pick up and delivery in some circumstances on Big Island only. Shipping—Outer Islands: You ship a minimum of 6 blades to me and I'll ship them back at no charge.

U.S. Post Office Address:
(3 different flat rate size boxes available
P.O. Box 7028
Kamuela, HI 96743

UPS, Fed Ex, etc. shipping address:
64-5064 Kalake Street
Kamuela, HI 96743

TESTIMONIALS

....."I used to get 3,000' - 3,500' of production out of my 14" Tenryu Pro Blades when they were brand new. Now, after Doug sharpens them, I get 9,000' . *Dan Ogle of Ogle Woodworking, Kona.*

BLADE MAINTENANCE.....

(www.jesada.com)

Sharpening... Even the best blade will lose its edge eventually, so watch for the warning signs. If you notice your stock tending to climb over the blade, if you smell smoke, if you have to push a lot harder to make the cut, or if your saw refuses to cut a straight line, you're probably working with a dull blade. Re-sharpening is best left to a professional service.

Cleaning... Wood resin, or "Pitch" gradually accumulates on almost any blade, especially as the blade gets hot. If you leave the pitch on the blade it will help the steel retain heat and dull the blade more quickly. Keep some pitch remover handy and use it often. Our research indicates that using oven cleaner may cause severe damage to the tips. Avoid abrasive cleaners that can scratch the blade, since a rough surface will make pitch even tougher to remove the next time.

Handling and Storage... Have you ever walked into a shop and noticed a stack of blades left casually on a bench or on top of a table saw? If those blades aren't dull already, they probably will be soon. When sharp teeth rub across hard metal or against each other they can become dull or even break, so always hang your blades with spacers between them. If you need to carry blades from job to job, build a case to keep them safe.