# Smooth edge cuts with the best Miter Saw Blades

## Introduction

We often face the necessity to have a fair cut in our workpieces. Either it’s perpendicular or it is a crosscut. Despite the sheer requirement we also expect the piece to be smooth and non-abrasive. According to this purpose of job we prefer assistance that will reduce our hardships.

A fine cut in the edge of the work-pieces defines your work efficiency, working capability and also the level of work. So as a companion you need to seek the best miter saw blades available. Blades that are sturdy, blades that are thin and runs fast are our first priority.

## Buying Guide

While choosing a blade there are a lot of things that you need to take care of. The very vital thing that you need to care for is if the blade can take care of sturdy stuff. Else you’ll end up having an uneven cut that might lead you to worse work experience. So we need to check the made-up material of the blade and its cutting components.

However, after that comes the speed count which shows how fast and even the work will be accomplished. All these can’t be decided if you don’t have a proper guide to follow. Here we present a suitable guide for you that will lead you to the perfect blade for you.

### Blade material

The blade used for the miter saw is basically made of hard and non-brittle elements. This includes –

* Titanium Carbide
* TiCo Carbide
* Tungsten carbide
* Steel and steel alloy etc.

The harder the component, the easier it is to have finer cuts. Also, we need to check this fact that if that material is naturally brittle or not. If it is brittle then the blade will get deteriorated and you will face difficulties.

### Tooth geometry

The design the tooth follows that also has a large impact on the grinding. There is the Triple chip grind (TCG) method, the ATG, ATAF, etc. each has a different efficiency. Some can cut wood material and some are good in cutting glass and fiber items. Some also show a remarkable ability to cut metals like aluminum and non-ferrous items.

### Crosscuts and hook angle

The cross cuts allow you to have more angular cuts other than the normal perpendicular one. In this case, the hook angle also needs to be taken care of. Basically, the optimum hook angle for a successive blade is -5 degree to 7 degrees. Consequently, the shears turn to be more precise.

### The speeder is better!

The proper RPM rate enables you to have a more speedy capability. Usually, the average RPM rate is 5000+. And according to the diameter and the arbor size, the RPM rate varies.

### Thin plate and kerfs

Thin plates tend to have more torque as it is light weighted. The thinner the plate the swift it moves and you get a smooth outcome.

## Some of the best products

### DEWALT DW3106P5 60-Tooth Crosscutting and 32-Tooth General Purpose 10-Inch Saw Blade

#### Reliable features

The DEWALT basically has two different categories based on the tooth counts and the sizes of the blades. The larger the blade the more tooth is to be present. This specification has a 10-inch diameter displayed blade and 60- tooth for crosscuts and general purpose of use. This works both as a slide and compound saw blade.

The laser-cut teeth are precisely made of Tungsten carbide which makes the product more durable. The hook angle is of -5 degree and hence it gives a professional finishing. For compound cuts, it is necessary to have five angle managements that the DEWALTs blade takes in cover. The RPM limit for this specification is about 4800 RPM. The thin kerfs are basically of 0.102” and the blade plate has a thickness of 0.079”. The arbor size for this category is 5/8”. The teeth are designed as a wedged-shaped having more steels in the tips comprise the triple chip grind and so it easily cuts off any metallic stuffs without any complications and enhances the cut accuracy. This rarely causes any burn mark after the job is done.

After the cut operation, there are fewer specks of dust so it is very convenient for the working area. Best for trim work and crown molding and can cut a good number of logs in one go. The blade body is computer-balanced creation so as a result, it gives less vibration which allows you to have more accurate outcomes.

#### Constraints

Despite having all these great visibilities it is often accused of not being able to ensure a better finish. Also, making quality is also questioned by a good number of workers. Moreover, a tungsten compound has natural brittleness in spite of being the hardest.

<https://www.amazon.com/dp/B00005A1H7/?th=1>

### Concord Blades ACB1000T100HP 10-Inch 100 Teeth TCT Non-Ferrous Metal Saw Blade

#### Reliable features

The Concord blades are made of hard Titanium carbide and Titanium is basically a good constructive element. The blade dimension is of 10x10x0.3 inches in length, width, and thickness.

Concord’s blade has a 10-inch display with 100 cut tooth which enables successive work. The kerfs are designed to be 3.2 mm. This follows the Triple chip grind (TCP) mechanism and the hook angles for the teeth are -5 degree that allows a fine cut. This can work on non-ferrous and plastic materials very easily. If the cutting element is distorted or oxidized then the work is abrupt. So it is to be noticed that the workpiece has to be of an even face.

This can work on non-ferrous metals like aluminum, bronze, brass, and copper. And as for plastic items and others the elements are plexus glass, PVC, acrylics, and fiberglass. This blade can be easy fit to a circular saw, miter saw, table saw, radial arm saw, etc. It has a special ability that is it has a heat expansion slot that gives more working periods without interruption. The arbor size is of 5/8” only and the blade weighs only pounds.

#### Constraints

The displayed RPM for this blade is 4500. But the speed is somehow not that effective which might lead to an uneven cut.

<https://www.amazon.com/dp/B00LFCMTHY/?th=1>

### Freud D12100X 100 Tooth Diablo Ultra Fine Circular Saw Blade

#### Reliable features

Diablo circular blade is manufactured by high qualified Titanium and Cobalt carbide which basically says that it has a fine sturdy behavior. The whole blade is made very thin so it can operate without any effort. The diameter for this specification is 12 inches and they come with 100 teeth for cutting purposes.

This smart choice of blade is advanced with a laser-cut stabilizer that successfully reduces sounds and deteriorating vibration. If the blade vibrates too much then the cut is supposed to be made not good. So sideway cuts turn out to be clear and precise without distortion. The blade moves fast and has a sharpen finishing that effortlessly pieces off the elements. The tooth is of axial shear face grind, so the shearing job is an absolute. The arbor size is 1 inch and the hook angle is 7 degrees. The kerf and blade thickness is of 0.098” and 0.071” accordingly. The maximum RPM rate is about 6000.

This has this tri-metal shock resisting brazing that defies extreme pressures. It comprises the heat expansion slot and consequently even if due to the formation of heat the blade cuts fine and clear. The blade has a perma-shield coating that prevents it from heat and any corrosive stuffs or grease items. Having a double-side grind tooth geometry this simply works on softwoods, veneered plywood, hardwoods, and melamine and efficiently does the work of trimming and remodeling.

#### Constraints

The cuts are often inaccurate and due to high torque creates a significant amount of sawdust.

<https://www.amazon.com/dp/B00C3HVIWC/>

### Makita A-93681 10-Inch 80 Tooth Micro Polished Miter saw Blade

#### Reliable features

The Makita blade is averagely weighted of 1.75 pounds, dimensioned as 12x11.8x0.2 inches in length, width and height and has an RPM rate of 5870. It is a very efficient blade that finishes with a mirror finishing which means the cuts are clear and even.

The hook angle for the tooth is 5 degrees. Besides this blade follows a different kind of blade constitution that allows it to have more precise cuts in a blink. The tooth design is named as ATAF (Alternate Top and Alternate face) gives a cut of the utmost accuracy. The blade’s diameter is 10” and comes with 80 teeth. The micro-grind carbide teeth are quietly happening and they possess about 600 grit for a clear finish. The arbor is sized of 5/8”. The body is hardened and hand tensioned steel saw plates for actual cuts.

This Japanese product has a thin kerf of 0.091” and the blade’s thickness is of 0.071”. The thinner the plate the faster it goes. The blade effectively works on woods, plywood, and hardwoods. Also, the crosscuts are accurate as well. This has a warranty of one year.

#### Constraints

This can’t be used for a long time purpose. Wears off really in a short period of time. It doesn’t have a heat expansion slot.

<https://www.amazon.com/dp/B000MQOOGI/>

### IRWIN Tools Classic Series Steel Table / Miter Circular Saw Blade

#### Reliable features

The IRWIN TOOLs blade is made of steel alloy and precision ground circular saw teeth for successive cuts. Here the hook angle is of 2 degrees and hence the cutting job is quite accurate and efficient.

Let’s go for the blade first. It has a dimension of 12x11.4x0.1 inches in length, width, and height. The overall diameter is about 10” and has 180T surrounding the plate. The whole blade weighs almost 1.25 pounds being an alloy product. It’s a classic style full hardened blade quite a handy for woodworkers and other purpose workers. Its hardness and the alloy components, high carbon, and heavy gauge steel give longevity and also it runs for longer times. The arbor is of 5/8”.

For the teeth, the kerf is almost 0.09” thick. So this denotes that the blade is thin and so shows better performances. The teeth are ideal for cutting plywood, OSB, veneer, and plastic. This can also show remarkable work efficiency in any metal-like material.

#### Constraints

This blade basically has no heat expansion slot and as a result, it gets heat up easily and disrupts the work, creates burn marks on wood items. Also, there have been enough negative comments from the users that the teeth are quite weak and sometimes they are knocked down. This doesn’t fully assure straight cuts.

<https://www.amazon.com/Tools-Classic-Circular-10-Inch-11870/dp/B0002UKS7I/?th=1>

### Hitachi 725206 Tungsten Carbide Tipped Arbor Finish Miter Saw Blade

#### Reliable features

The Hitachi saw blade is a tungsten carbide made workpiece and weighs only a pound.

The length is 13.4 inches and in width, it is only 11.4 inches, the height is 0.4 inches. The diameter is about 10” and the blade consists of 72 sharpen tooth. The teeth are designed as ATB (Alternate Top Bevel) that is like a mirror-like blading arrangement. As a result, the cuts are made fine and the teeth are glazed with 3 metals for a clear finish. The arbor size is of 5/8” and the slim kerfs depth is of 0.098”.

For decorative molding work purposes and veneer and plywood cuts, it is quite effective. It has a lower RPM rate of 3800. It has a promising warranty of 1 year and guarantee for only 30 days.

#### Constraints

The Hitachi blade has a lower rate of warranty also the teeth quantity is less than other specifications. No heat expansion slot available for this blade and so problematic cut experience. Consequently, there is more sawdust around the working area.

<https://www.amazon.com/Hitachi-725206-72-Teeth-Tungsten-Carbide/dp/B00006412D/>

### A.G.E. Series - Heavy Miter 12" X 100 4+1 1"Bore (MD12-106)

#### Reliable features

This specification has a 12” cutting diameter and this is a European style cutting component. This German-made blade is manufactured with carbide items and weighs only 0.16 ounces.

The Amana tools this blade is basically formed to assist the professionals who work for cabinet remodeling and professional hobbyists. The ground precision teeth are quite handy in industrial purpose usage. Enabling laser cut expansion the blade has its own heavy quality ensured. There are 100 T and they are set up by the 4 ATB followed 1 rake formulation and enhances the working performances. The hook angle is about -5 degrees. The sharp blade shows successful workability for woods, non-ferrous metals, and glass fiber and plastics. The cuts are so clear that it is often entitled to “Gap-free” saw work.

For having a 12” diameter the RPM rate is almost 5000+. This has a limited lifetime warranty.

#### Constraints

This German blade is too precisely used for professional purposes and not suitable for every job site. However, there is not that much of a negative side to being visualized. But the grinder seems a little weak.

## Conclusion

Reviewing all the available blades in the store is a tiresome job indeed. Also finding the best miter saw blade for purpose of need is also something to be noticed. As your whole work experience depends directly or indirectly on the cuts of the blades.

From those above products, we prefer the Makita blade and the diablo blade for your convenience. The Diablo so far has no negative feedback. It is a thin plated blade and has a high RPM rate and gives a smooth finishing cut. The Makita blade is a Japanese product and this ensures a mirror finishing.

Based on a high RPM rate and advanced tooth design the choices were selected for your convenience. The best one will definitely reduce your headache in finding an affordable one.

### FAQs

### Do blades with bigger diameter work better?

Of course. The bigger the blade the more the tooth is there and so it works efficiently.

### Can a miter saw blade be used as a table saw blade?

Yes, it can be used as a table saw blade.

### Which tooth geometry is more reliable?

This actually depends on your needs. The triple chip grinder seems more efficient. Though it is for strong elements to cut so others will do fine with this kind of tooth.

## Meta Description

Shear the workpieces in various angels using the unbreakable grinders! Smoothening the edges, create your own creations with the best miter saw blade.