

Circle Saw Guide Arms

Burton has manufactured high-quality aluminum and steel saw guides for decades, in many different configurations, to maintain sawing accuracy in a wide variety of applications.



Refined manufacturing process

Burton has refined its saw guide manufacturing process for efficiency and consistency. Saw guides have been standardized with key dimensions, identifying marks, and functional hardcoat anodizing to ensure quality and reduce wear.

Overview

We've been designing and installing saw guides and kerf-reduction technologies since 1934, and we bring that experience to you with upgraded designs and standardized manufacturing processes.

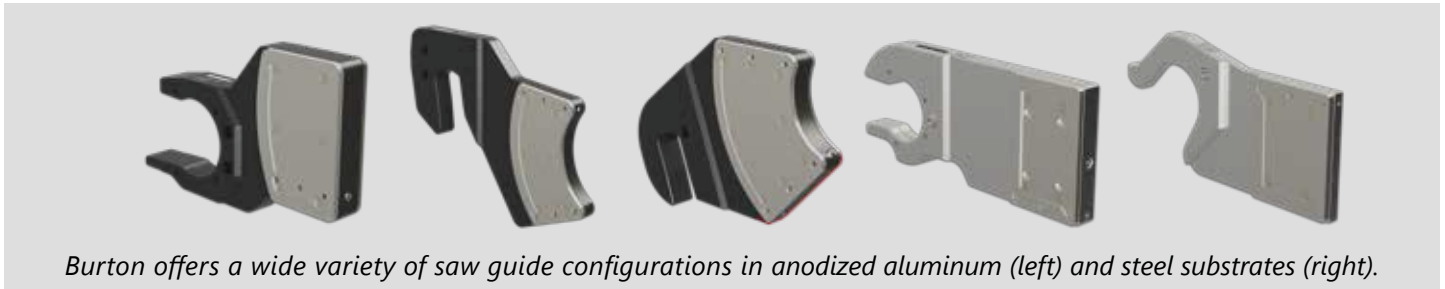
Our new advanced CNC machining technology and tooling systems provide greater accuracy and part-to-part consistency, which translates to durability and sawing accuracy in the mill.

All guides are carefully inspected by Burton's experienced Quality Control Technicians before they leave our shop.

Ask your parts sales representative or territory manager for a quote today.

Saw Guide Details

- ▶ Aluminum guides are made from aerospace-quality (6061-T6) material which has been certified to conform to all requirements of ASME, ASTM and SAE specifications
- ▶ Aluminum guides are precision-ground on all critical surfaces prior to hardcoat anodizing
- ▶ Standard anodizing is Type 3 Hardcoat, the best and most durable functional coating in the industry
- ▶ Anodizing film is .0002" thick which gives all surfaces a minimum 72+RC, significantly increasing wear resistance and preventing corrosion
- ▶ Steel guides are made from A514-T1 steel material for optimal tensile strength



Burton offers a wide variety of saw guide configurations in anodized aluminum (left) and steel substrates (right).

What is the difference?

Differences between your current guides and your new guides may include:

- ▶ The color of Burton's new guides can be shades of gray or brown due to the superior Type 3 (MIL-A-8625, Class 1) hard anodizing that is applied to all aluminum guides. Type 3 anodizing does not allow for any specified color. The final shade is determined by the exact elements of the base material and thickness of anodic film. Color variations are normal and expected in Type 3 hard-coat anodizing and are impossible to control.
- ▶ Label engravings on the guide include logo, part number, serial number, and thickness.
- ▶ Several tapped holes are present through the body and paddle of the guide. These are tooling holes used in production and do not affect functionality of the guide.
- ▶ Some guide types have a dimensional difference in the step between the paddle (pad mounting surface) and the body of the guide. See image at right. This dimensional difference helps standardize the manufacturing process. It may slightly change the amount of material removed from the babbitt pad during the resurfacing process, but no changes are needed to your resurfacing process. Burton ensures fit, form, and function of every saw guide.
- ▶ A relief cut of .050" deep on the anti-rotation "tail" may be present on certain styles of guides. This aids in the manufacturing process and also helps when removing guides from the machine.



Color variations of anodized aluminum guides



Babbitt pouring fixtures for edger guide pads

- ▶ We design and manufacture edger guide pad pouring fixtures. With our "Safety First" two handed pneumatic operating system we eliminate pinching safety hazards. We manufacture to your specification and help design fixtures for single or multiple pad pouring. Precision ejector pins ensure a straight pad right out of the mold.



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For more than a century, Burton Mill Solutions has been cultivating its network of products and services to meet your needs and help you to operate at the top of the industry. With our strategic family of product brands, we're certain that we can provide you with the best quality tools to get the job done right.

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