



**AZEBIKI Mid-panel Saw**  
**3-1/2" • 15 tpi Kerf 0.043"**  
**Item #10-2920**



The Azebiki Mid Panel Saw is specially designed for plunge cuts in a variety of panels. The short blade features both rip (9 tpi) and crosscut (15 tpi) teeth, and the curve of each blade permits cuts to begin at the center of the board with no pilot hole.

This saw's blade is made of folded sheets of high-grade steel for a veneer effect which enhances blade strength and flexibility. Each tooth is beveled on three sides on a very thin diamond grinding wheel to a chisel-like point that cleanly slices through wood. The teeth are electrically impulse hardened to remain sharp more than three times longer than average saw blades. Finally, the blade is treated with a clear rust-retardant coating for durability. The Azebiki's sturdy wooden handle is wrapped with bamboo skin for a comfortable, secure grip.

Because this saw is designed to do all the work, only light pressure and gentle pull strokes at a 45-degree angle are required.



**SHARK CORPORATION**

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## History of Takumi Japanese Traditional Saws

For centuries in Japan, castles, temples and other important buildings were constructed using mortises, tongue and groove, and other joinery. Wooden dowels and wedges were used in place of nails. Precise carpentry cuts were required to build these magnificent structures. This was the birth of the pull saw.

Japanese pull saw teeth are angled to cut on the pull stroke, a natural motion that is easier from any position. Because pulling a saw places the blade in tension, it prevents the blade from bowing, buckling, or binding. The pulling motion allows the use of a very thin blade, resulting in a very narrow kerf, exceptionally fast and smooth cuts, and unparalleled accuracy.

< 匠 > “Takumi” is the name given to only the master craftsmen in Japan in recognition of their superior knowledge and workmanship. Shark Corporation honors this ancient tradition with a line of finely crafted and high-quality saws.

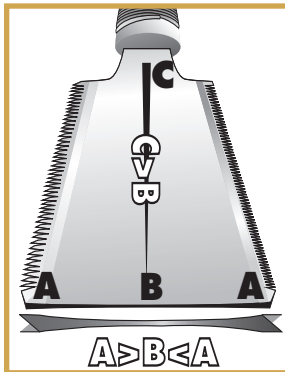
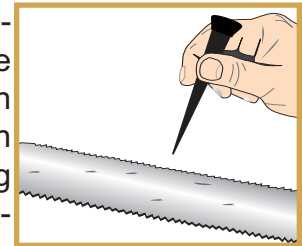




## TAKUMI Quality

The TAKUMI saw is made using techniques similar to those of the master sword craftsmen of the Samurai era. The result is a superior tool that affords the maximum hardness and flexibility available.

The initial steel milling process employs a folding technique to create a veneer effect in the sheets of steel that greatly enhances the strength and flexibility of the blade. Next, a highly skilled craftsman applies an extremely hard, chisel-like tool to very specific points on the blade. This alleviates various tensions created during the milling process and ensures maximum flexibility and long-lasting straightness with no distortion.



The blade is then gradually hollow ground, from cutting edge to the center, while at the same time it is ground from the hilt to the front edge. This procedure minimizes the friction and associated heat generated by the cutting motion and totally eliminates the need to set the teeth. Following the hollow grinding process, each tooth works like a beveled knife, slicing through wood smoothly and cleanly. The Dozuki saw is the exception since it has the thinnest blade with minimal tooth set.

Each tooth is beveled on three sides to a precise angle by a very thin diamond circular blade. Two of these bevels, the length of each tooth, facilitate easy removal of cuttings. The point of each tooth is chisel-cut, which promotes the smoothest and cleanest of cuts, especially with no set to the teeth.

These special techniques contribute greatly to the quality of the cut and to the longevity of the cutting edge. The thinness of the blade is vital to minimize the heat produced when cutting wood, hardwood in particular, and helps to maintain the blade's straightness.

These processes combine to create a blade that achieves the ultimate in accurate and smooth cuts and ease of use.



## HOW TO USE

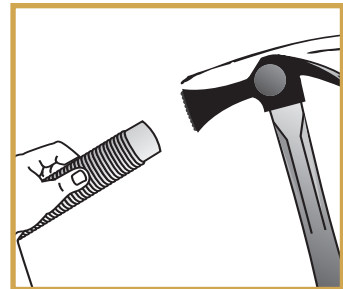
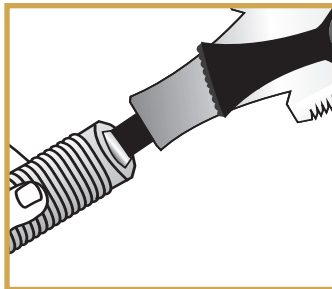
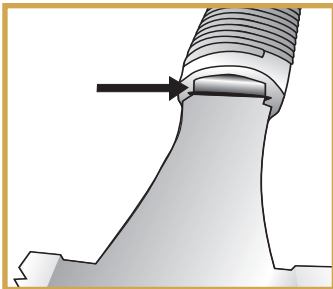
We strongly recommend that only experienced pull saw users work with TAKUMI saws. These specially crafted high-quality saws are made of very hard steel that will break with improper use.

### FOR BEST RESULTS:

To start your cut, use the heel of the blade and apply very gentle pressure as you pull straight back. A light touch is all that is required; let the saw do the work! Angle the blade slightly—0 to 10 degrees—and pull with smooth long strokes for best results.

### TO REPLACE BLADE:

Lightly hit the metal part of the handle with a small hammer several times to release the blade. Insert the new blade into the handle and lightly hit the end of the handle with the small hammer. Hit several times to ensure the blade is secure.



### CAUTION & CARE:

Do not cut metal with these finely crafted high-quality saws. Wipe blade gently after use with a lightly oiled cloth. These blades are **EXTREMELY** sharp! Always install the tooth guard before handling the blade. For your safety, always handle with care and use eye protection as a general safety rule. Keep out of the reach of children.