

SAW³⁷B

Superior Performing, High Speed Metal Cutting M42 Bimetal Bandsaw Blade
37% More from Your Saw



Discover how Saw^{37B} cuts production times and costs with super tough, long lasting performance

- ▶ Exceptional performance
- ▶ Significantly faster cutting rates
- ▶ Patented design reduces tooth strippage
- ▶ Increased blade life
- ▶ Minimal noise and vibration
- ▶ Excellent heat and wear resistance

DAKIN
FLATHERS

Quality Bandsaw and Bandknife

Saw^{37B} – M42 high speed steel blades that cut much more than production time

Everybody wants to be the best but how many companies are actually capable of achieving it? At Dakin-Flathers, our core business is perfecting high performance, industry leading bandsaw and bandknife blades – and we've dedicated ourselves to this for over 100 years.

As you'd expect, we've very nearly achieved our ultimate aim – to be the manufacturer and provider of the best blades in the world. Our Generation³⁷ series of blades is the proof of this.

The result of exhaustive continual research and product development, the Saw^{37B} is the latest in the Generation³⁷ dynasty that cuts production times even further. This has been achieved by putting quality first in the selection of our materials, blade design, technologies and manufacturing processes.

The Dakin-Flathers production facility is purpose built and operates 24/7. It features state-of-the-art precision CNC

manufacturing and technologies – 90% of which is less than 10 years old. It's a massive investment that elevates the quality, performance and durability of our blades and has made us clear market leaders.

Maintaining these high standards is critical which is why the Saw^{37B} and all Generation³⁷ series blades undergo stringent and unforgiving quality checks at every stage of their production via our laboratory.

In addition to visual inspections of the tooth profiles and signs of any damage, our quality control experts check everything from the carbide structure of the material to the hardness profiles of the teeth, gullets and body of the blades. We also check the camber – the straightness of the blade – in addition to a series of set checks including set pattern, consistency and kerf. Only those blades that pass every check with flying colours are worthy of the Dakin-Flathers marque.

Why Saw^{37B} speed and durability leaves other blades standing...

Special Metallurgical Properties for Longer Life

Superior Materials

The unique performance of every Saw^{37B} blade is built-in due to uncompromising metallurgical properties and manufacturing techniques – devised specifically by Dakin-Flathers.

Constructed from a high speed strip (HSS), electron beam welded to a high strength spring steel alloy backing material, the Saw^{37B} blade delivers sheer cutting excellence. This generates a cutting performance of high speed steel with the extreme toughness and fatigue resistance of an alloy backing steel, it's a serious combination.

Saw^{37B} has Serious Bite

Then there are the teeth. These are infinitely tougher than the backing strip and are milled directly into the HSS strip using CNC controlled machines for optimum accuracy. Why? Primarily, by having HSS tooth tips, the Saw^{37B} significantly extends the effective life of the blade. Not only that, it is capable of achieving much faster cutting rates of a wide variety of materials by being super-resistant to heat, abrasion and vibration. Faster cutting rewards all users with greater productivity and increased profits.

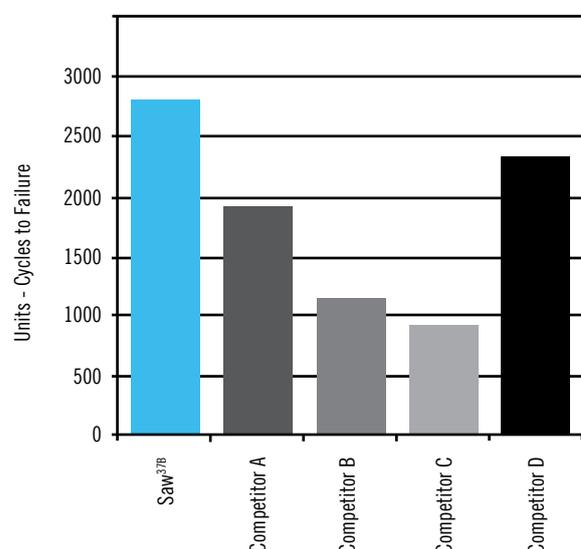
Longer Lasting, Cost Reducing

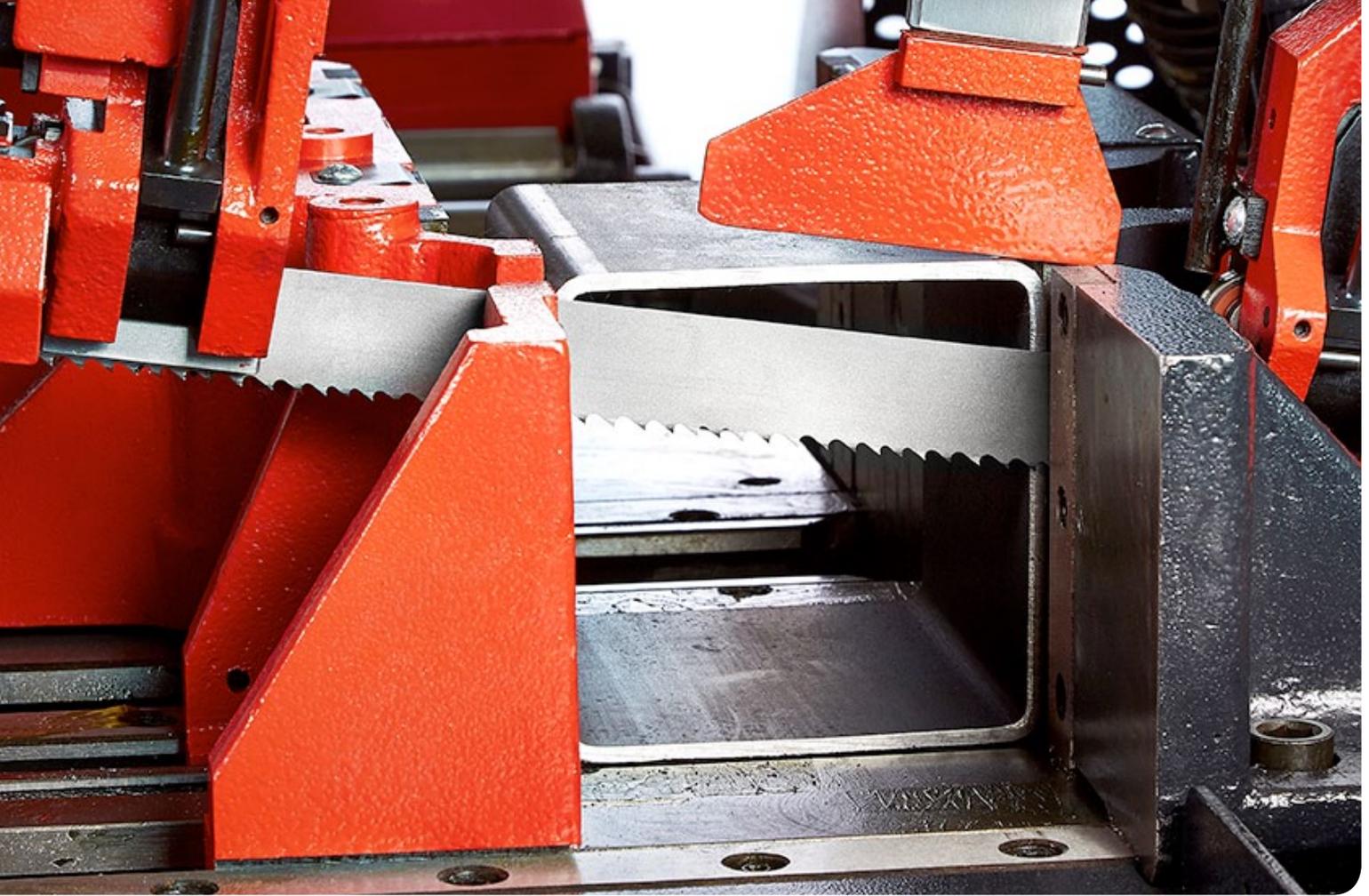
The Saw^{37B} range works tirelessly for you cutting faster and for longer than other leading brands' blades, just

see the results in the graph below. In fact, in a "run-to-destruction" fatigue test devised to reveal the weaknesses in blades, Dakin-Flathers Saw^{37B} blades lasted on average over 42% longer than the overall market.

So why change blades? Well, choosing to upgrade to Saw^{37B} results in extended blade life, less downtime, faster cutting, lower production costs and an increase in profit thanks to longer production runs.

Fatigue Testing – Saw^{37B} vs. the Competition





Laser Straight Accurate Cuts with Minimal Waste

Uniform CNC Teeth Setting

Tight quality control involving constant quality checks at every stage of our precision CNC manufacturing process pays dividends. By continually striving for perfection, we achieve market-leading set consistency. The more uniform the teeth are set, the better balanced the blade is. This slashes the margins of error when it cuts.

It's a Matter of Balance

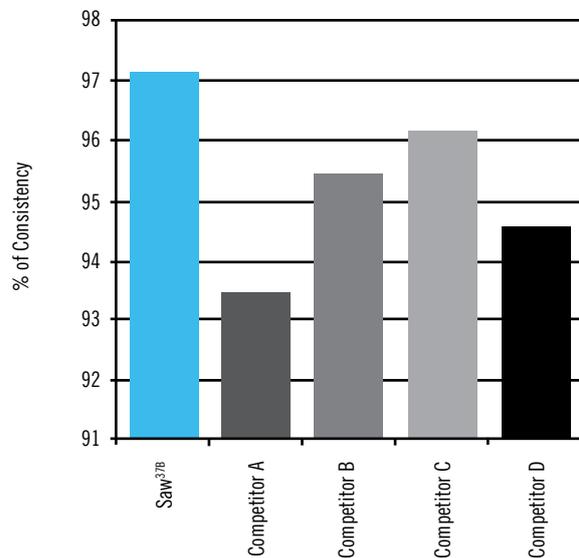
Saw^{37B} blade set is perfectly balanced. This results in dramatic reductions in waste and therefore creates greater yield during your cutting processes.

If a blades set is unbalanced, the cut is more erratic and less clean or straight, which affects the quality of the finished product and actually wastes the material being cut. It also causes additional noise and vibration making it uncomfortable and difficult for the operator to work with.

Accuracy Counts

We tested our Saw^{37B} blade set against four leading competitor blades and the specification for standard set deviation proved that Dakin-Flathers blades were the most accurate. In fact, only 2.9% of teeth were not in the correct position. One competitor blade deviated by as much as 6.7% – over twice that of the Saw^{37B}.

Set Consistency – Saw^{37B} vs. the Competition



Reliable and Consistent Quality Blade

Ultra Strong Welds

The weakest point of any blade is the weld that creates the loop. At Dakin-Flathers, to ensure the absolute integrity of this joint, we developed a unique factory welding process of our own. Designed to produce a blade with an ultra strong weld with optimum joint strength and improved alignment accuracy.

Speed and longevity is key: Saw^{37B} slices vital time off production and extends blade life to the limit

This factory process creates not only a highly flexible, but super-strong weld, it delivers impressive reliability for maximum operating efficiency.

Friendly Technical Support

When you call you are able to tap into the vast levels of experience that our team have, which includes trouble-shooting specific issues that you may be having with your line, and developing solutions to problems.

You can use our technical resource to help ensure you get the best possible blade for your application and the best possible results with your blades.

Our Guarantee

Every Dakin-Flathers Saw^{37B} blade you buy is backed by our Gold Seal Guarantee. Quite simply, if you're not absolutely delighted with your blade, we will replace it or refund you in full.*

In Summary

The high speed steel strip electron beam welded to Saw^{37B} blades isn't a gimmick, it is simply a technically better blade, it has very real practical and financial benefits to all who come into contact with it, from the machine operative to the financial controller. Saw^{37B} gives you...

- Significantly faster cutting rates – *accelerated productivity*
- Exceptional performance – *cleaner, smoother cut*
- Patented design reduces tooth strippage – *less machine downtime*
- Excellent heat and wear resistance – *cut for longer and harder*
- Increased blade life – *reduced production costs and blade spend*
- Minimal noise and vibration – *Health & Safety friendlier environment*

*Subject to fair usage