

RIPPER³⁷

High Performance Primary Timber Processing Sawmill Blade
37% Longer Lasting – Guaranteed

Discover how Ripper³⁷ can unleash the true potential of your sawmill...

- 37% greater durability than its leading rivals
- Up to 100% more re-grinds
- The perfect balance between strength and flexibility
- Minimal waste and maximum cutting power
- Unparalleled “out-of-the-box” performance
- Allows you to experience the full potential of your sawmill

DAKIN
FLATHERS

Quality Bandsaw and Bandknife

Ripper³⁷ – A New Generation of Sawmill Blade

Dakin-Flathers are driven by a single, simple goal: To provide you with the best bandsaw blades available anywhere in the world, that will help you increase sales and win more market share.

Ripper³⁷ is our latest step towards achieving that goal and offers a wide range of industry-beating benefits which include a longer working life, unparalleled reliability and superior performance – cutting faster, straighter and with less wastage.

All of the technical development and expertise used to create Ripper³⁷ amounts to nothing if the blade doesn't live up to, and exceed, expectations in the real world, so we tested Ripper³⁷ against the four leading manufacturers of timber ripping blade.

Ripper³⁷ gets its name from the fact that tests show it to be 37% more durable than its nearest rival; and this increase in toughness and durability means you can run Ripper³⁷ faster, longer and harder without compromising performance.

Fitting Ripper³⁷ blades to your bandsaws means that your machines can finally reach their true performance potential. Even better – you can make big savings!

That's because you will be using a primary timber processing sawmill blade that is designed and manufactured to offer longer life, improved performance, lower maintenance and a higher return on investment.

Here's how Ripper³⁷ lays waste to the competition...

Durability – 37% Longer Lasting, Faster Cutting

Superior Materials

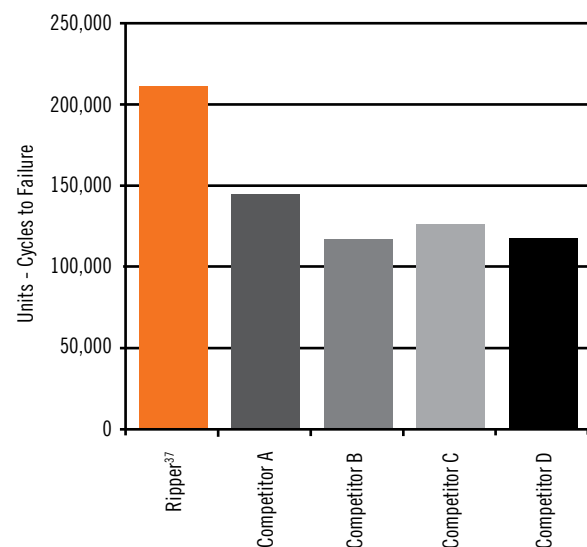
The finest finished product starts with the finest raw materials. Ripper³⁷ is crafted from high quality, carbon-rich Western European steel, developed with unique metallurgical properties to meet our exacting standards. It is also precision hardened and tempered to give the optimum balance between strength and flexibility. This results in a stronger, straighter blade, that will tolerate higher feed pressures, and cut more wood in less time than has ever been possible before.

The exact process is a closely guarded secret, but Ripper³⁷ gets its name from the fact that tests show it to be 37% more durable than its nearest rival.

Fatigue Testing

In 'run-to-destruction' trials, comparing Ripper³⁷ blade performance to other leading brands, an industrial woodcutting bandsaw with a specially modified tight radius drive wheel was used to exert maximum stress on the blade and expose any weakness in blade material and manufacture. Then, with the revolution counter set to zero the test rig was left to run until the blade broke. Ripper³⁷ out-performed the test blade group by 58% – and out-performed the best of the group by over 37%.

Fatigue Testing – Ripper³⁷ vs. the Competition



High Performance – Precise, Faster & Straighter Cut

Razor Sharp Ground Teeth

Unlike punched and sharpened or milled blades, each individual Ripper³⁷ tooth is ground using computer-controlled machinery.



Punching teeth puts unacceptable levels of stress on the blade, before it ever gets used. The result can be reduced life, inconsistent performance and blades that often need to be re-sharpened before they can be put to work.

To ensure that every tooth has the same perfect profile, a specially designed diamond-grinding process is used, which is why Ripper³⁷ offers unparalleled “out-of-the-box” performance. Grinding teeth is a more time-consuming and exacting process – but the results are sharper, more reliable and longer-lasting blades.

Straighter, Cleaner Cut with Less Waste

Computer-Controlled Teeth Setting

Uncompromising levels of uniformity in the set of the teeth allow for a blade that cuts straighter and cuts more efficiently. Even imperceptible differences in the set will result in a wider, less straight cut – creating a rough finish, more waste and less finished product.

Dakin-Flathers use a proprietary dual-contact action to create the optimum degree of set on every Ripper³⁷ blade. Each blade then passes through a highly accurate digital photometric gauge that automatically checks for any misaligned teeth. It is then subjected to further testing that includes digital tooth profile checks, straightness testing, hardness testing and microstructural analysis.

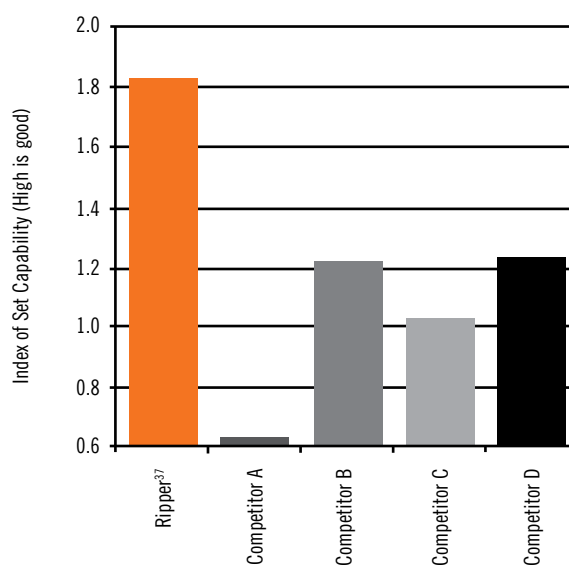
As a result, Ripper³⁷ cuts straighter and faster than any blade that’s gone before it, handling higher levels of feed pressure with ease. Each blade will work straight out of the box, with no further need for resetting before it can be used.

Set Consistency Testing

Producing the “perfect” tooth set is critical in optimizing its performance. Good balance from one side to another means the blade will cut straighter, and the optimum kerf allows the blade to cut freely, with lower feed pressure, whilst maximising yield and surface finish.

For this test, Ripper³⁷ was tested against its nearest rivals. In multiple tests, with 4 metre lengths of each blade from each competitor, an industry standard set gauge was used to measure the accuracy of the set at 10 random points along each blade. Once again, Ripper³⁷ out-performed its rivals, producing the lowest deviation of any of the blades.

Set Consistency – Ripper³⁷ vs. the Competition



Reduce your production costs and increase both your profits and the quality of the sawn timber with the market leading product, **Ripper³⁷** manufactured by a world leader, Dakin-Flathers

More Re-grinds per Blade

Deep Hardened Teeth

Ripper³⁷ teeth are induction hardened. Induction hardening is proven to be the most effective way to harden teeth. To ensure outstanding performance we harden teeth to an optimum depth, which means Ripper³⁷ can be re-ground up to 100% more times before its hardness and cutting performance are compromised.

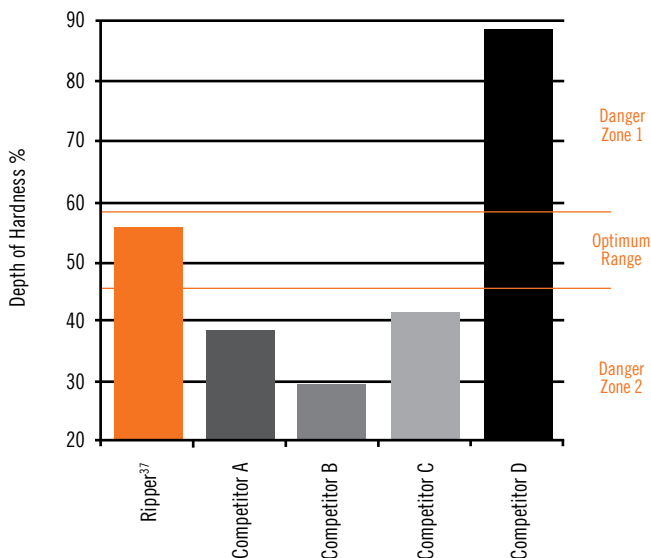
As a result of the high carbon content of the raw steel, an optimum dispersion of carbide is created in the teeth during the induction hardening process, increasing cutting power and durability even further.

Hardness Depth Analysis

Hardening that does not extend to sufficient depth on each tooth limits the number of re-grinds that can be performed, causing a loss of performance after a few re-grinds, and shortening the life of the blade. Conversely, hardening teeth too deep into the body of the blade increases the likelihood of the blade cracking and breaking.

In this test the hardness depth of all the nearest Ripper³⁷ rivals were measured to show that Ripper³⁷ achieves the optimum hardness depth to give the maximum number of re-grinds, and superior, sawmill performance and life.

Hardness Depth Analysis – Ripper³⁷ vs. the Competition



Danger Zone 1 - Cracking likely

Danger Zone 2 - Performance loss after a few re-grinds

Maximum Blade Life

Ultra Strong Welds

Ripper³⁷ bandsaw blades can be supplied by the coil, or pre-welded in any length band you or your customers require.

When supplied factory welded, our process ensures that every band is perfectly joined and a pyrometer is used to ensure the optimum level of hardening and annealing is achieved, ensuring a super strong, yet flexible weld.

Our Guarantee

Every Dakin-Flathers Ripper³⁷ bandsaw blade 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

When you need the very best primary processing woodcutting performance, a Ripper³⁷ bandsaw blade gives you the strongest competitive advantage. In short, Ripper³⁷ delivers...

- 37% greater durability than its leading rivals
- Up to 100% more re-grinds
- Unparalleled "out-of-the-box" performance
- Minimal waste and maximum cutting power
- The perfect balance between strength and flexibility
- Reduced production costs and more profit for you and your company
- Improved quality of finish on the sawn timber

*Subject to fair usage