



Product Brochure

blades for processing
Wood, Metal, Food and Foam

**DAKIN
FLATHERS**

Quality Bandsaw and Bandknife



Quality Bandsaw & Bandknife

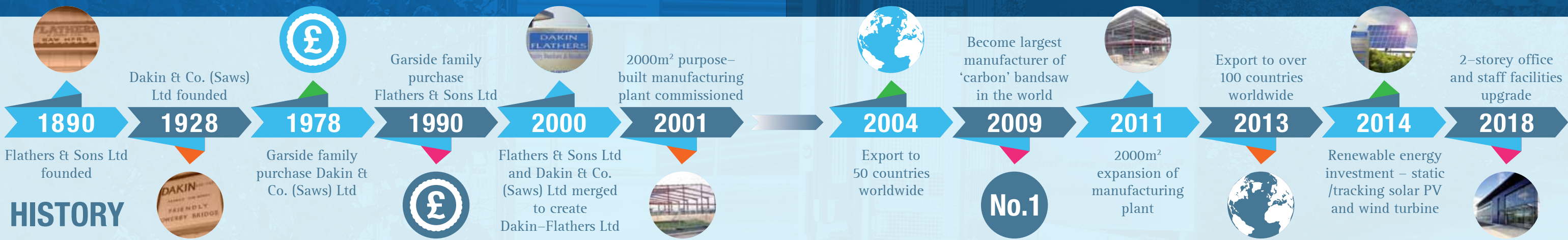
Dakin-Flathers Ltd, based in Yorkshire, England, has grown from being the leading supplier in the UK to one of the leading suppliers in the world of quality bandsaw and bandknife. Exporting to over 100 countries worldwide with an unrivalled reputation for service, consistency and performance.

Over \$16m (€13m) has been invested in equipment, processes and research and development over the last 15 years. Such huge and continual investment in our 24-hour purpose-built facility means our highly skilled engineers work with technologically advanced manufacturing equipment to bring you the best bandsaw and bandknife blades in the world... Generation³⁷.

Why Partner with Dakin-Flathers?



- **World-Class Products** - helping you beat your competition
- **Fast Delivery** - keeping you and your customers happy and loyal
- **Commitment to Partnership** - maximising your profit and growth
- **UK Manufacturing** - guaranteeing you quality products at competitive prices
- **Expansive Range** - all your requirements from one supplier
- **Technical Support** - giving you fast answers when you need them
- **Our Passion** - continued development and growth for us and our partners





Quality Bandsaw & Bandknife



What makes Dakin-Flathers blades unique?

People

It's no coincidence that the best performing blades on the market are manufactured by the best people in the industry. Each member of our family, from engineers to directors, is hand-picked for individual skills before being further developed and supported into specialist bandsaw experts.



Quality

Nothing escapes us. Our attention to the finest detail during every step of the manufacturing process provides you with the same consistent, long-lasting blades resulting in maximum cutting performance.

At Dakin-Flathers, we continually develop and invest in our people, products and partners. We've dedicated over 100 years to this process, so far, and will continue to build on our achievements to bring you the very best bandsaw and bandknife in the world... Generation³⁷.

Future

Machinery

Our production facility is purpose built and operates 24/7. It features state-of-the-art CNC manufacturing technology – 90% of which is less than 10 years old. Extensive and continuous investment elevates the quality, performance and durability of our blades and has made Dakin-Flathers clear market leaders.



Materials

The finest product starts with the finest raw material. All Dakin-Flathers blades are crafted from high-quality Western European steel, developed with unique metallurgical properties to optimise each specific application.

What is Generation³⁷? Why does it outperform?

Generation³⁷

Dakin-Flathers are driven by a simple goal: To provide you with the best bandsaw and bandknife blades available anywhere in the world. Blades that offer a wide range of industry-beating benefits such as a longer working life, unparalleled reliability and superior performance...Generation³⁷.

This range of products gets its name from the fact that a range of tests show it to outperform the competition by at least 37%.

Generation³⁷ Benchmarking

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

Test results showed Ripper³⁷ out-performed the group by 58% – and beat the best of the competition by 37%.

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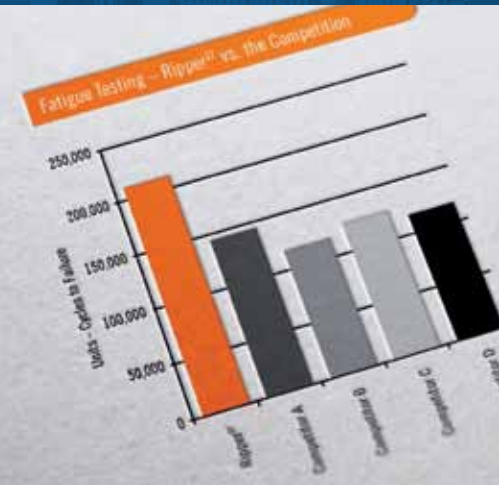
Quality Bandsaw & Bandknife



Generation³⁷ Development

The initial product development programme started with the ground breaking Ripper³⁷ sawmill blade. We challenged our research and development team to create a new generation of sawmill blade that would significantly outperform competitors in the market.

Based on research with 'real' sawyers from around the world, the team identified a broad range of crucial performance measures including fatigue, wear and 'out-of-the-box' performance. These measures lead Dakin-Flathers to develop a unique industry-defining blade.



Why Generation³⁷ Outperforms

Dakin-Flathers applies the same principals and tests across our entire product range, bringing you the very best blades available. In summary, Generation³⁷ gives you:

- Superior cutting performance – cleaner, straighter cuts
- Longer blade life – less machine downtime
- Maximum operating efficiency – increasing profit
- Comprehensive range of sizes – always the correct blade
- Reduced operating costs – saving money

Contents

DAKIN
FLATHERS

Quality Bandsaw & Bandknife

Wood & General Purpose Cutting Bandsaw

- 11 - 12 **Saw^{37C} Carbon Bandsaw**
Carbon bandsaw for secondary wood processing, plastic and non-ferrous metal cutting.
- 13 - 14 **Saw^{37C} Palletband Bandsaw**
Specialist blade for pallet dismantling and recycling applications.
- 15 - 16 **Saw^{37GT} Ground Tooth Bandsaw**
Precision ground carbon steel bandsaw for high performance secondary wood processing.
- 17 - 18 **Ripper[®] Resaw Bandsaw**
Quality bandsaw for primary processing, timber-ripping and resaw applications.
- 19 - 20 **Ripper³⁷ Sawmill Bandsaw**
Premium sawmill bandsaw for primary timber processing. Suitable for most makes of portable and stationary sawmills.

Metal Cutting Bandsaw

- 23 - 24 **Saw^{37B} Metal Cutting Bandsaw**
M42 Bimetal metal cutting bandsaw designed for long life with excellent heat and wear resistance.
- 25 - 26 **Saw^{37C} Metal Cutting Bandsaw**
Carbon bandsaw for non-ferrous metal cutting applications.

Food Cutting Bandsaw & Bandknife

- 29 - 30 **Freshcut³⁷ Food Cutting Bandsaw**
Bright carbon steel bandsaw with hardened teeth for a variety of food processing applications.
- 31 - 32 **Freshcut³⁷ Food Slicing Bandknife**
Available in a variety of edge types for use in many applications such as baby leaf harvesting, fish filleting, poultry portioning and bread slicing.

PU Foam & Packaging Cutting Bandknife

- 35 - 36 **Slicer³⁷ Bandknife**
Wide range of bandknife blade options for shaping or cutting materials from foam through to cardboard.
- 37 - 38 **Slicer^{37W} Cutting Wire**
Precision wound wires for cutting and shaping numerous materials such as foam and Rockwool insulation.

Accessory Range

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Highly accurate tension gauge for checking tension on most bandsaw, bandknife and sawmill machines.
- 43 - 44 **Set Checker**
Dual faced gauge for measuring tooth set on any bandsaw or bandknife blade.
- 45 - 46 **Grinding Wheels**
Profile and grit specific grinding wheels for optimising bandsaw and bandknife blade performance.

WOOD & GENERAL PURPOSE CUTTING BANDSAW



Softwood



Non-Ferrous
Metal



Plastic



Recycling



Timber



Hardwood

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Fibreglass



SAW

CARBON BANDSAW

“Ideal for general purpose cutting applications...”



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TOOTH FORMS

AVAILABLE



Skip



Hook



Regular

WIDTHS

(1/8" - 1 1/4")

3-32MM

APPLICATIONS

WOOD / PLASTIC / NON-FERROUS METAL
(ALUMINIUM/COPPER/BRASS)



TOOTH

HARDNESS

66HRC

PRODUCTS, FEATURES, SPECIFICATIONS

CARBON BANDSAW

Bandsaw produced from a unique carbon steel for superior cutting performance, improved fatigue resistance and tougher, harder teeth.

Carbon bandsaw is available for a wide variety of applications such as **FLEXBACK** for secondary wood processing, **THIN FLEXBACK** for small machines with tight wheel radii, **FURNISAW** for furniture production or high output environments and **HARDBACK** with added beam strength for straighter cutting and higher feed rates.

SUPERIOR CUTTING PERFORMANCE - Cleaner, straighter, accurate cuts

COMPREHENSIVE RANGE OF SIZES - Always the correct blade for the job

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SAW

PALLETBAND BANDSAW

“Consistent quality for
reliable rugged use...”

TOOTH FORMS

AVAILABLE



WIDTHS

(1 ¼" - *1 ¼+")

32-*34MM

APPLICATIONS

PALLET RECYCLING / DISMANTLING



TOOTH

HARDNESS

62 &*67HRC

PRODUCTS, FEATURES, SPECIFICATIONS

PALLETBAND BANDSAW

Specialist hard tooth carbon bandsaw for pallet dismantling and recycling, a cost-effective alternative to bimetal. Hardened teeth penetrate and cut through both wood, nails and staples, whilst the high-performance backing strip resists blade distortion and enables high feed pressures.

ACCURATE TOOTH SET - Improved finish of sawn timber

TOUGH BACKING MATERIAL - For longer blade life

M42 PALLETBAND BANDSAW*

Designed specifically for fast, high impact applications and demanding environments such as commercial pallet dismantling and recycling. Teeth are manufactured from high-performance M42 high speed cobalt steel and a unique backing material in alloy tempered steel for maximum strength and blade life.

SAW

GROUND TOOTH BANDSAW

“Ideal for high output
production environments...”

PRODUCT, FEATURES, SPECIFICATIONS

GROUND TOOTH BANDSAW

Precision ground, hard tooth, bright carbon steel bandsaw for high-performance secondary wood processing. The razor sharp hook teeth allow maximum penetration, whilst the photo-metrically balanced tooth set reduces waste for superior yield and surface finish.

GROUND TOOTH PROFILE - Ultimate performance bandsaw

LIGHTLY SET TEETH - Superior yield and surface finish

TOOTH FORM
AVAILABLE



WIDTHS
(1/4" - 3/4")
6-19MM

APPLICATIONS
WOOD



TOOTH
HARDNESS
62HRC

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RIPPER

RESAW BANDSAW

“Cost-effective way to get
more out of your sawmill...”

PRODUCT, FEATURES, SPECIFICATIONS

RESAW BANDSAW

Quality bandsaw for primary processing, timber-ripping and resaw applications. Suitable for Wood-Mizer, Baker, Forestor, TimberKing, Woodland Mills, LogMaster, Norwood, Hud-Son, Cook's machines, most portable sawmills and many multi-head sawmilling machines.

COST-EFFECTIVE BLADE - Reduced production costs

STRONG AND FLEXIBLE WORKHORSE - Maximum cutting power

TOOTH FORM
AVAILABLE



WIDTHS
(1+” - 2+”)
27-51MM

APPLICATIONS
LUMBER (LOGS)



TOOTH
HARDNESS
62HRC

RIPPER

SAWMILL BANDSAW

“The professional
sawyers’ choice...”



TOOTH FORMS
AVAILABLE



WIDTHS
(1+” - 2+”)
27-51MM

APPLICATIONS
LUMBER (LOGS)



**TOOTH
HARDNESS**
62 &*67HRC

PRODUCTS, FEATURES, SPECIFICATIONS

SAWMILL BANDSAW

Premium ground tooth primary processing, timber-ripping and resaw applications. Suitable for Wood-Mizer, Baker, Forestor, TimberKing, Woodland Mills, LogMaster, Norwood, Hud-Son, Cook’s machines, most portable sawmills and many multi-head sawmilling machines. Optimum depth of tooth hardness allows up to 100% more regrinds.

FULLY GROUND TOOTH PROFILE - Unparalleled “out-of-the-box” performance

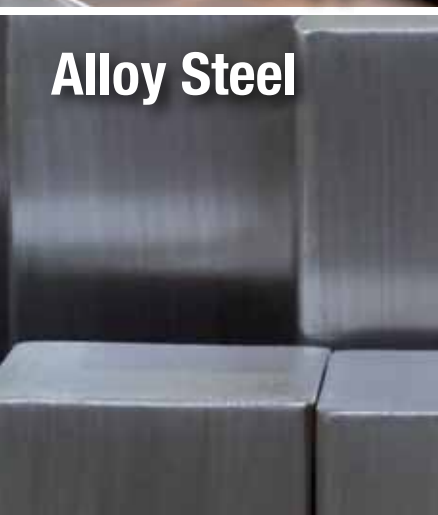
DEEP HARDENED TEETH - Up to 100% more re-grinds

M42 SAWMILL BANDSAW*

Specialist bandsaw with tooth tips made from high-performance M42 high speed steel and a backing material in alloy tempered steel.



Copper



Alloy Steel



Steel

METAL CUTTING BANDSAW



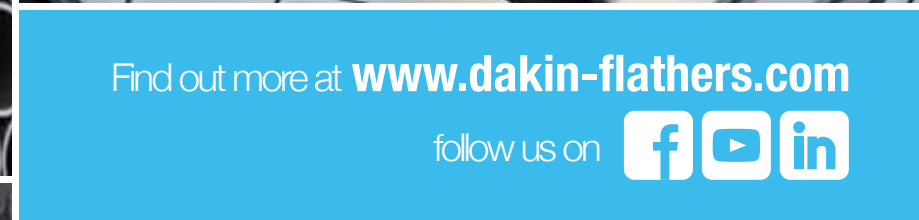
Carbon Steel



Iron



Stainless Steel



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Aluminium

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B

SAW

METAL CUTTING BANDSAW

“Patented tooth design
reduces tooth strippage...”



TOOTH FORMS

AVAILABLE



WIDTHS

(1/4" - 2++")

6-54MM

APPLICATIONS

FERROUS METALS (STEEL/ALLOY/IRON)



TOOTH

HARDNESS

67HRC

PRODUCT, FEATURES, SPECIFICATIONS

M42 BIMETAL BANDSAW

Metal cutting bandsaw blade with teeth made from high-performance M42 high speed cobalt steel and backing material in alloy tempered steel. Designed for long life with excellent heat and wear resistance.

SIGNIFICANTLY FASTER CUTTING RATES – Accelerated productivity

EXCELLENT HEAT AND WEAR RESISTANCE – Cut for longer and harder

SAW

METAL CUTTING BANDSAW

“Cost-effective alternative
to M42 bimetal...”

TOOTH FORMS
AVAILABLE

Hook

Regular

WIDTHS
(1/8" - 1 1/4")
3-32MM

APPLICATIONS

NON-FERROUS METAL (ALUMINIUM/COPPER/BRASS)
/*FERROUS METALS (STEEL/IRON/ALLOY)

TOOTH
HARDNESS
66 & *60HRC

PRODUCTS, FEATURES, SPECIFICATIONS

FLEXBACK & HARDBACK BANDSAW

Carbon **FLEXBACK** bandsaw for processing non-ferrous metal. Produced with superior cutting performance, improved fatigue resistance and tougher, harder teeth. **HARDBACK** has additional beam strength to promote straighter cutting and resist swaging and scoring of the band.

LONGER BLADE LIFE - Less machine downtime

COST-EFFECTIVE BLADE - Reduced production costs

FRICTION BANDSAW*

Manufactured from a high silicon alloy for use in high-speed friction cutting applications to cut ferrous and difficult to cut materials.

FOOD CUTTING BANDSAW & BANDKNIFE



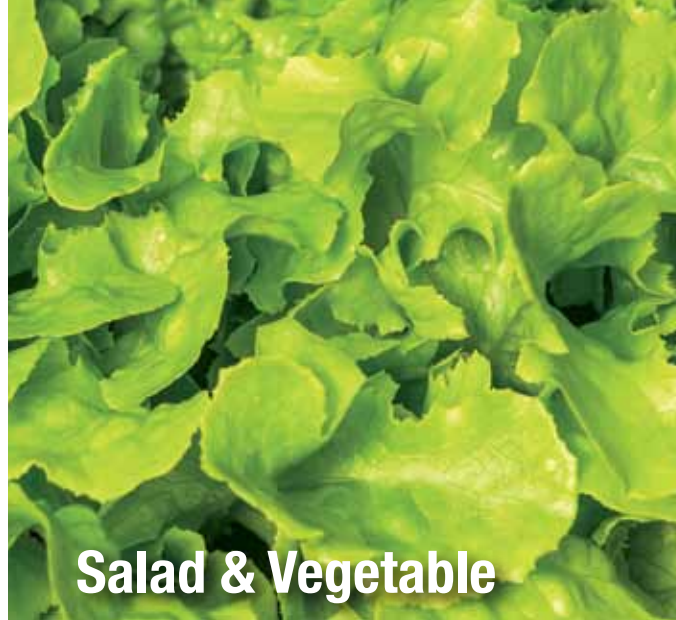
Processed Food



Bread



Carcass



Salad & Vegetable



Meat



Poultry



Fish

Find out more at www.dakin-flathers.com

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FRESHCUT

FOOD CUTTING BANDSAW

“Precision ground teeth
for fast clean cutting...”



TOOTH FORMS AVAILABLE



WIDTHS
(3/8" - 3/4")
10-19MM

APPLICATIONS MEAT / POULTRY / FISH



**TOOTH
HARDNESS**
62HRC

PRODUCTS, FEATURES, SPECIFICATIONS

FOOD CUTTING BANDSAW

Precision ground, hard tooth, bright carbon steel bandsaw for food processing. Razor sharp hook teeth allow maximum penetration, whilst the unique process specific tooth set reduces waste for superior yield.

Available in a wide range of process specific applications such as **FRESH** or **FROZEN MEATS**, **FROZEN FISH** and **CARCASS SPLITTING**. Special use bandsaw in **STAINLESS STEEL** and **HANDSAW** are also available.

FOOD GRADE OIL COATED - Safe and immediate use

SUPERIOR YIELD - Reduces product waste

FRESHCUT

FOOD SLICING BANDKNIFE

“Available in hard edge
for longer blade life...”

www.dakin-flathers.com

EDGE TYPES

AVAILABLE



EDGE FINISHES
DBSE TBSE

WIDTHS
(1/2" - 1")
13-25MM

APPLICATIONS

MEAT / POULTRY / FISH / BAKERY



EDGE
HARDNESS
50HRC

PRODUCTS, FEATURES, SPECIFICATIONS

GENERAL PURPOSE FOOD BANDKNIFE

Available in a variety of edge types for use in many applications such as baby leaf harvesting, fish filleting, poultry portioning, boneless processed meat and bread slicing plus machine specific use such as Grote and Grasselli. Food bandknives create almost no waste material.

SUPERIOR YIELD - Almost zero product waste

RAZOR SHARP EDGES - Improved visual appearance of cut product



Rebond

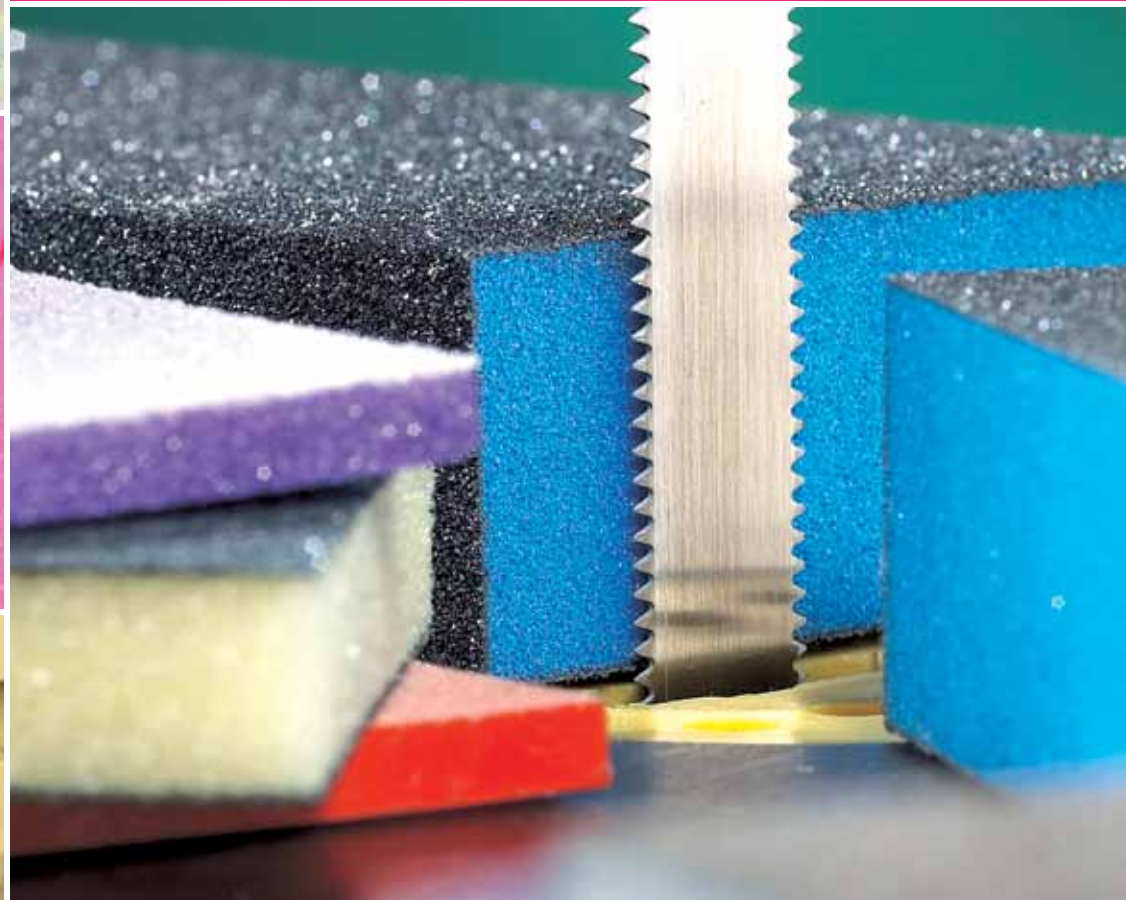


Foam



Insulation

PU FOAM & PACKAGING CUTTING BANDKNIFE



Polystyrene



Packaging



Abrasives

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Leather



SLICER

37

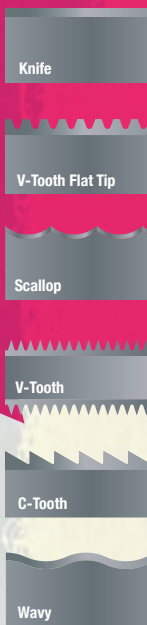
BANDKNIFE

“Consistent ultra-strong welds
for long reliable blade life...”



EDGE TYPES

AVAILABLE



PRODUCTS, FEATURES, SPECIFICATIONS

BANDKNIFE

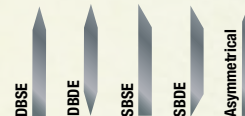
Unique high specification carbon alloy steel that achieves the perfect balance between strength for long life, sheer cutting performance and the flexibility to reduce fatigue and blade breakage.

Available in a variety of edge types and finishes for use in many applications such as **CONTOUR/CNC** for profile cutting, **NARROW** for general purpose processing or **WIDE** for peeling and splitting. Suitable for all F&K, Bäumer, Hyma and many other makes of bandknife machines.

SHARP BEVELLED EDGES - Quick, smooth, precise cuts

BETTER WEAR CHARACTERISTICS - Fewer blade changes

EDGE FINISHES



WIDTHS
(1/8" - 4")
3-100MM

FOAM / TEXTILES / LEATHER
/ INSULATION / PACKAGING MATERIALS

**EDGE
HARDNESS**
50HRC



SLICER

37

W

CUTTING WIRE

“Available with tungsten
or stainless steel wraps...”

DIAMETERS
1.10MM -
1.60MM

PRODUCTS, FEATURES, SPECIFICATIONS

CUTTING WIRE

Performance wound wires for cutting and shaping numerous materials such as foam and Rockwool. A variety of special material cutting cores are available to maximise your production process resulting in a wire which gives you long lasting, clean cutting performance.

HIGH CARBON CONTENT - Longer wire life

VARIOUS ABRASION OPTIONS - Optimum cutting performance

CUTTING CORES AVAILABLE

REGULAR
TUNGSTEN
STAINLESS STEEL

APPLICATIONS

FOAM / INSULATION / POLYSTYRENE
/ FOAM GLASS / POLYURETHANE / REBOND



ACCESSORY RANGE

TENSION GAUGE

SET CHECKER

GRINDING WHEELS

Find out more at www.dakin-flathers.com

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TENSION GAUGE

It is essential that there is enough tension on any bandsaw or bandknife blade to prevent it from flexing during the cut. The only true way to measure tension accurately is with a tension gauge. Using a tension gauge not only ensures your blade is set up accurately, it also reduces your operating costs by increasing blade life, production time and reducing machine operating costs.

“Optimise blade life and performance
by tensioning accurately...”

FEATURES

IMPERIAL AND METRIC DUAL FACED
DISPLAY

HIGHLY ACCURATE GAUGE INDICATOR
+/- 6900KPA (1000 PSI)

MANUFACTURED FROM SOLID BILLET
6061-T6 ALUMINIUM

HIGH IMPACT RESISTANT, FOAM LINED
PROTECTIVE STORAGE CASE

APPLICATIONS

ALL MANUALLY TENSIONED BANDSAW
& BANDKNIFE BLADES

SET CHECKER

When you have 'set' on your blade, it needs to be perfectly balanced in order to achieve a straight and accurate cut. Inconsistent set will cause the blade to lead in the cut left or right, creating an uneven, wavy finish. You can now check your blade like a professional with a Dakin-Flathers set checker.

“Double faced gauge
for left or right hand use...”

FEATURES

IMPERIAL & METRIC DUAL SIDED DISPLAY

HIGHLY ACCURATE GAUGE INDICATOR
+/- 0.025MM (.001")

MANUFACTURED FROM ALUMINIUM
CASTING

HIGH IMPACT RESISTANT, FOAM LINED
PROTECTIVE STORAGE CASE

APPLICATIONS

ANY BLADE WITH 'SET' TEETH



GRINDING WHEELS

Dakin-Flathers supplies a range of grinding wheels to suit all our Slicer³⁷ bandknife and Ripper^{37/S} sawmill blades. Sharpening or grinding a blade requires very specific grit grades so you can achieve maximum blade life and performance. Dakin-Flathers offers high-precision borazon profiled wheels for all tooth profiles of Ripper^{37/S} sawmill blades and various standard grade wheels for Slicer³⁷ bandknife blades.

“Correctly sharpened blades
perform better and last longer...”

FEATURES

TOOTH PROFILE SPECIFIC BORAZON WHEELS
FOR RIPPER^{37/S} BLADES

VARIOUS GRIT GRADES AVAILABLE FOR
BANDKNIFE BLADES

MULTIPLE SIZES AND PROFILES AVAILABLE
FOR POPULAR BANDKNIFE MACHINES

APPLICATIONS

RIPPER^{37/S} SAWMILL BLADES & SLICER³⁷
BANDKNIFE BLADES





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