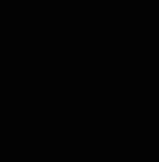




STOCK CODE: 300946



Official Website



Catalogs

[www.hengerda.com/en](http://www.hengerda.com/en)

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# BAND SAW BLADES

CARBIDE TIPPED BAND SAW BLADES

BI-METAL BAND SAW BLADES

WOOD CUTTING BAND SAW BLADES

# SINCE 1995

**Hengerda New Materials (Fujian) Co., Ltd.**

# HENGERTA

A National High-Tech Enterprise Focusing on the New Metal Materials

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PRODUCT FAMILY

## CORPORATE PROFILE

1995

Since

- National High-Tech Enterprise
- Publicly Listed on the ChiNext of the Shenzhen Stock Exchange in 2021
- 260+ Global Sales Networks
- Obtaining 90+ National Authorized Patents
- Lead in Drafting and Formulating Industry Standards for Die-Cutting Tools



## ABOUT US

Hengerda New Materials (Fujian) Co., Ltd. was founded in 1995. On February 8, 2021, Hengerda was listed on the ChiNext of the Shenzhen Stock Exchange. It is a national high-tech enterprise focusing on the new materials and the national-level "Specialized, Sophisticated, Distinctive, and Innovative Little Giant" enterprise. The company mainly engages in R&D, production, sales, and services in terms of high-strength and high-toughness materials, multi-metal composite materials, die-cutting tools, saving tools, intelligent equipment, functional components, and other series of products. Hengerda is committed to providing product lines and integrated accessory equipment of cutting solutions to light, heavy, and military industries, machinery, construction and building materials, intelligent manufacturing, and other fundamental sectors of the national economy.

Hengerda took the lead in drafting and formulating the first industry standard for die-cutting tools. Its product technology and performances have reached the leading level internationally through the appraisal of scientific and technological achievements by the China National Light Industry Council. Since 2011, the market share of rule die steel, one of the company's major products, has ranked first in the world for consecutive years. At the same time, the company is a leading domestic manufacturer of bimetal bandsaw blades.

Hengerda was awarded the National Intellectual Property Advantage Enterprise in 2022. It has established Academic Expert Workstation and Provincial Enterprise Technology Center. The company has been working with the Chinese Academy of Engineering academics for long-term cooperative research projects involving multiple disciplines and subjects. It obtained more than 90 national authorized patents. With a R&D team of nearly 100 people, the company continues to carry out R&D activities for new products, equipment, technology, and materials. It undertakes a number of national, provincial, and municipal S&T and key regional science and technology projects.

Hengerda's main suppliers and clients are well-known enterprises at home and abroad. Its overseas markets have been laid out in North and South America, Europe, Africa, Southeast Asia, the Middle East, and other countries and regions along the Belt and Road.

## GLOBAL SALES NETWORK

Hengerda has established global supply chain partnerships based on local and expanding globally, with the overseas layout in Europe, the Americas, the Middle East, Africa, and other countries and regions in the Belt and Road.

South Korea, Bangladesh, India, Thailand, Cambodia, Vietnam, Malaysia, Qatar, Indonesia, Pakistan, Iran, the UAE, Syria, Turkey, Azerbaijan, Uzbekistan, Sri Lanka, Saudi Arabia, Iraq, Singapore, Kazakhstan, Yemen, Japan

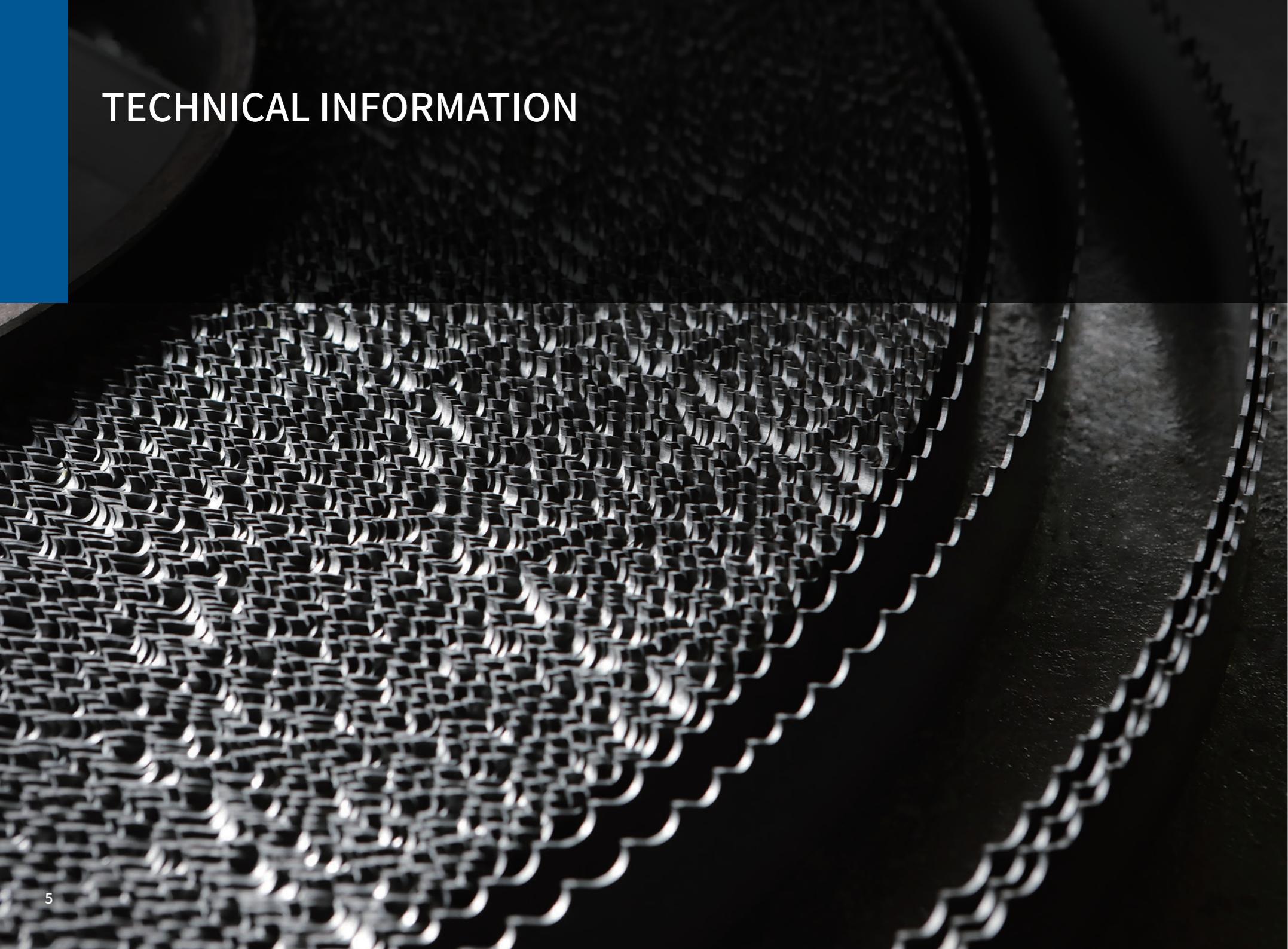
# Europe

Russia, Belarus, the UK, Italy, Spain, France, Poland, Ukraine, Germany, Slovak, Czech, Portugal

Canada, the USA, Mexico, El Salvador, Dominica, Colombia, Venezuela, Brazil, Argentina, Peru

South Africa, Egypt, Morocco, Algeria, Nigeria, Kenya, Ethiopia, Tanzania

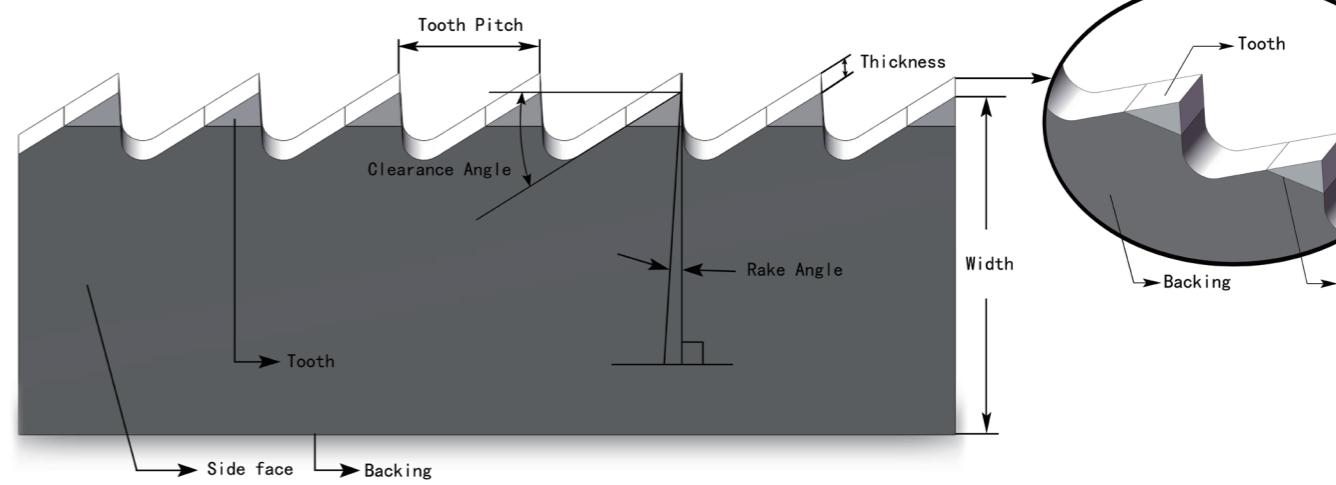




## TECHNICAL INFORMATION

SPECIFICATIONS									
Dimensions (width, thickness, and length)	13x0.65	16x0.9	19x0.9	27x0.9	34x1.1	41x1.3	54x1.6	67x1.6	80x1.6
Width x Thickness (mm)	13x0.65	16x0.9	19x0.9	27x0.9	34x1.1	41x1.3	54x1.6	67x1.6	80x1.6
Bi-Metal Coil Length (m)	100	100	100	100	85	75	75	75	60
Carbide Tipped Coil Length (m)	—	—	—	90-100	90-100	90-100	70-80	70-80	70-80

The length and width of the welded blade depend on the sawing machine and the workpiece.



$$\text{Efficient Cutting Result} = \text{Appropriate Machine} + \text{Well-Selected Band Saw Blade} + \text{Proper Operation}$$

For cutting bundled materials, multiply the wall thickness by two.

TPI Wall Thickness (mm)	Pipe/Profiles Diameter (mm)													
	15	20	40	60	80	100	120	150	200	300	400	500	600	600<
2	14/18	14/18	14/18	10/14	10/14	10/14	10/14	10/14	8/12	8/12	8/12	6/10	6/10	5/8
3	14/18	14/18	10/14	10/14	10/14	8/12	8/12	8/12	8/12	6/10	6/10	6/10	5/8	5/8
4	14/18	10/14	10/14	10/14	8/12	8/12	6/10	6/10	6/10	5/8	5/8	4/6	4/6	4/6
5	10/14	10/14	8/12	8/12	8/12	6/10	6/10	5/8	5/8	5/8	4/6	4/6	4/6	4/6
6	10/14	10/14	8/12	8/12	6/10	5/8	5/8	5/8	4/6	4/6	4/6	4/6	4/6	3/4
8		10/14	8/12	6/10	6/10	5/8	5/8	4/6	4/6	4/6	4/6	4/6	4/6	3/4
10			6/10	6/10	5/8	5/8	5/8	4/6	4/6	4/6	4/6	3/4	3/4	3/4
12			6/10	5/8	5/8	4/6	4/6	4/6	4/6	3/4	3/4	3/4	3/4	3/4
15			6/10	4/6	4/6	4/6	4/6	4/6	3/4	3/4	3/4	3/4	3/4	2/3
20				4/6	4/6	3/4	3/4	3/4	2/3	2/3	2/3	2/3	2/3	2/3
30					3/4	3/4	3/4	3/4	2/3	2/3	2/3	2/3	2/3	2/3
50						2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	1.4/2.0
75							2/3	2/3	2/3	1.4/2.0	1.4/2.0	1.4/2.0		
100								1.4/2.0	1.4/2.0	1.0/1.5	1.0/1.5			
150									1.4/2.0	1.4/2.0	1.0/1.5	1.0/1.5		
200										1.0/1.5	0.85/1.30 0.75/1.00	0.85/1.30 0.75/1.00		
250											0.85/1.30 0.75/1.00	0.85/1.30 0.75/1.00		
300<													0.85/1.30 0.75/1.00	

TOOTH PITCH SELECTIONS for SOLID MATERIALS									
TPI	14/18	14	10/14	8/12	6/10	8	5/8	6	
Workpiece Dia. / Width (mm)	D≤8	D≤15	5≤D≤15	15≤D≤30	20≤D≤40	20≤D≤40	30≤D≤50	40≤D≤70	50≤D≤100
TPI	4	3/4	3	2/3	1.4/2.0	1.0/1.5	0.75/1.0 0.85/1.3	0.75/1.0	
Workpiece Dia. / Width (mm)	70≤D≤120	80≤D≤150	120≤D≤150	140≤D≤300	200≤D≤600	300≤D≤750	700≤D	750≤D	



## CARBIDE TIPPED BAND SAW BLADES



**HAI SHARK**

### PRODUCT INTRODUCTION



With ultra-fine carbide grains as tooth materials and quality spring steel as backing materials, Hengerda's products are manufactured and processed with high-precision CNC cutting technology and other core technologies such as precision welding, fine grinding process, and patented heat treatment technology, all of which effectively improve the cutting performances and efficiencies. Accordingly, our products stand out in many aspects, including high-strength backing materials and highly wear-resistant tooth tips with high hardness.

**Carbide tipped band saw blades:** FL, FFL, ML, and woodworking types; different tooth types are made for different materials and geometry designs.

**Applications:** difficult-to-cut materials such as high-temperature alloy, nickel-based alloy, case-hardened steel, stainless steel, non-ferrous metals, aluminum plate, and other materials including titanium alloy, tool & mold steel, heat-resistant stainless steel, copper alloy, aluminum alloy, and wood, etc.



## CARBIDE TIPPED BAND SAW BLADES

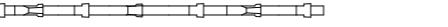
### TOOTH TYPES



FL Type



FML Type



ML Type



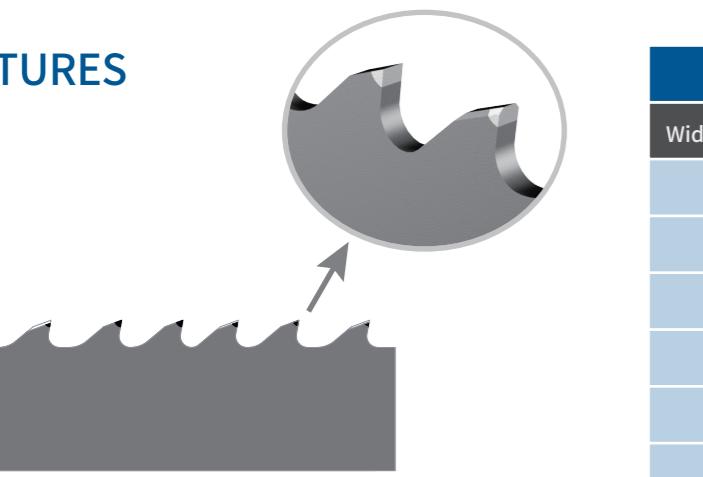
### FL Type

### FEATURES



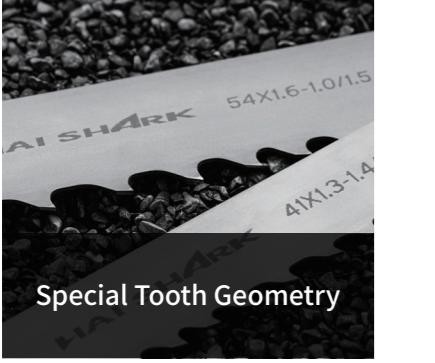
## FML Type

## FEATURES



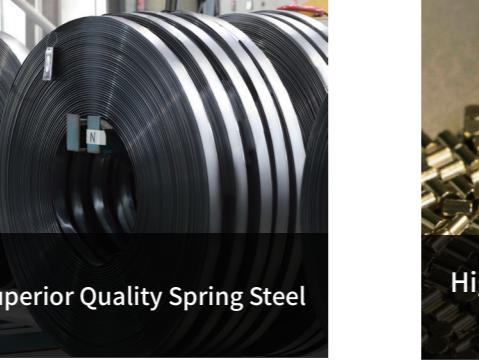
Specifications	TPI						
	3/4	2/3	2/3(+)	1.7/2.5	1.4/2.0	1.0/1.5	0.75/1.25
27x0.9	●	●					
34x1.1	●	●	●				
41x1.3	●	●	●	●	●		
54x1.6	●		●	●	●	●	●
67x1.6	●		●		●	●	●
80x1.6					●	●	●

● Represents regular stock. Other specs on request.



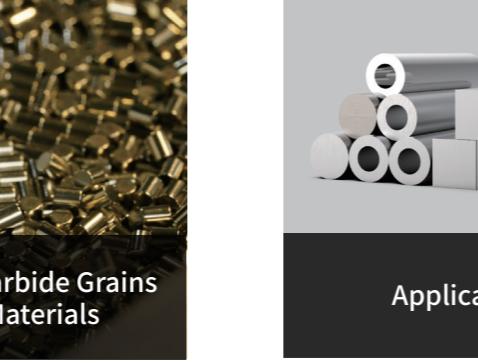
## Special Tooth Geometry

The new tooth geometry design increases the sawing efficiency and decreases the cutting pressure.



## Superior Quality Spring Steel

The superior spring steel backing materials have excellent anti-fatigue performance, toughness, and strength after being processed with advanced equipment and heat treatment technology.



## High-End Carbide Grains Tooth Materials

The tooth materials are high-end ultra-fine carbide grains. The impact resistance of the tooth is significantly improved through the advanced automatic welding process and technology, which can effectively reduce tooth breakage.

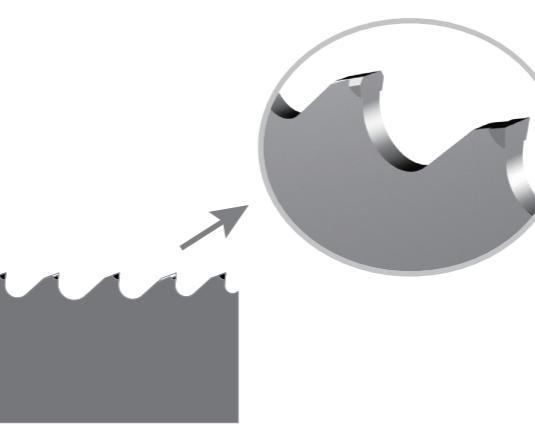


## Applications

High-temperature alloy, nickel-based alloy, case-hardened steel, stainless steel, and other difficult-to-cut materials.

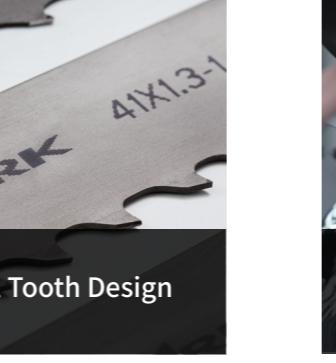
## ML Type

## FEATURES



Specifications	TPI	
	2/3	1.4/2.0
27x0.9	●	
34x1.1	●	
41x1.3	●	●
54x1.6		

● Represents regular stock. Other specs on request.



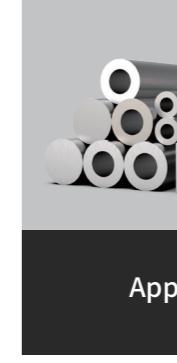
## Special Tooth Design

The new tooth geometry design ensures high sawing efficiency and smooth cutting surfaces.



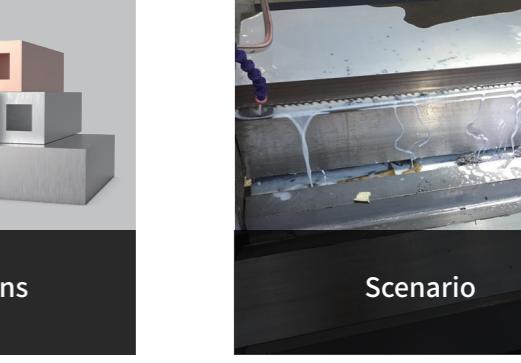
## CNC Grinding Technology

The high-precision CNC grinding technology features good working accuracy and can fully leverage the advantages of the tooth geometry design.



## Applications

Non-ferrous metals, aluminum, aluminum ingot, copper, copper alloy, etc.



## Scenario

Non-ferrous metals, aluminum, aluminum ingot, copper, copper alloy, etc.



# BI-METAL BAND SAW BLADES

super RU 锐锯 RU 锐锯 LINGYING DAJU 錄



## PRODUCT INTRODUCTION



**Superior Raw Materials:** backing materials (e.g.: X2, RM80) and tooth materials (e.g.: M42, PMHS2.042) are provided by top-quality suppliers, which ensure the quality of products from the source.

**Applications:** cutting and processing in the fields of machinery, electronics, automotive parts, molds, metal mining, ferrous metallurgy, aerospace, frozen food, woods, etc.

**Wide Range of Tooth Type:** bi-metal band saw blades have various tooth types and tooth pitches for selection, such as standard tooth, rounded back tooth, H tooth, and impact resistant tooth. We can customize special kinds of products for customers after evaluating and analyzing their needs.



SELF-OWNED BRANDS

Brands

*super* **R** 锐锯

Applications

high-temperature alloy, titanium alloy, high-hardness steel, case-hardened steel, tool & mold steel, etc.

**R** 锐锯

alloy steel, tool & mold steel, bearing steel, stainless steel, etc.

**LINGYING**

bearing steel, alloy tool steel, hardened & tempered steel, tool & mold steel (P20, 718, GSW-2738, etc.), high-speed steel, 3CrMoAl, stainless steel, non-ferrous metals such as aluminum and copper, etc.

**DAJU** 達

carbon steel, low-alloy steel, general casting, non-ferrous metals such as aluminum and copper, wood, etc.



## BI-METAL BAND SAW BLADES

### TOOTH TYPES



Standard Tooth (ZC)



SH Tooth (SH)



Rounded Back Tooth (GB)



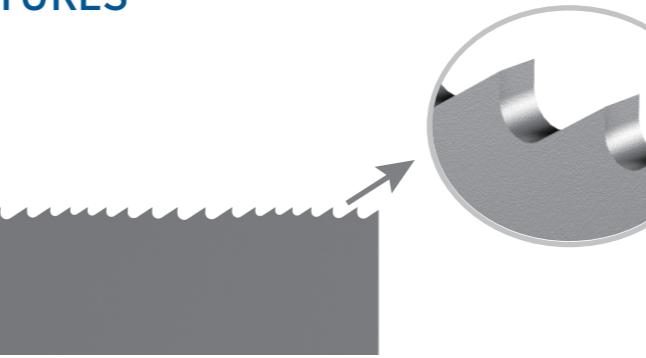
Hook Tooth (G)



Impact Resistant Tooth (KL)

### Standard Tooth (ZC)

### FEATURES



Features
Standard tooth with 0° or relatively small positive rake angle, efficient cutting, smooth finish, less noise.

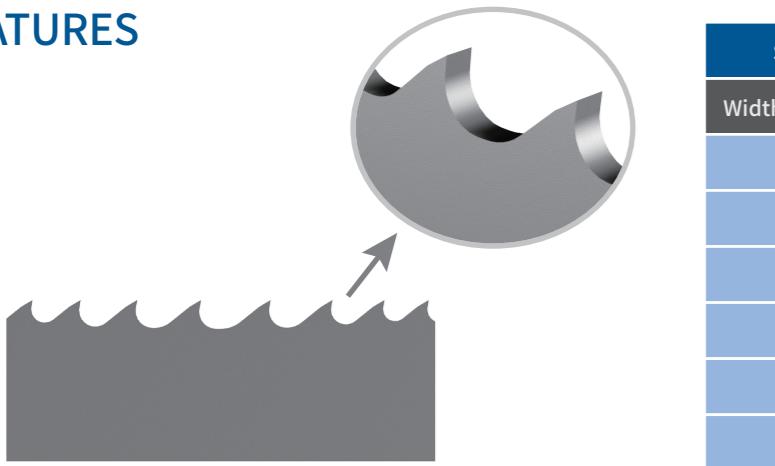
Applications
Widely used in non-ferrous metals, carbon steel, stainless steel, structural steel, alloy steel, bearing steel, cold steel.

Specifications	TPI											
	14	8	6	4	14/18	10/14	8/12	6/10	5/8	4/6	3/4	2/3
Width x Thickness (mm)												
13x0.65					●	●	●					
16x0.9						●	●	●	●	●	●	
19x0.9	●			●			●	●	●	●	●	
27x0.9			●									
34x1.1			●						●	●	●	
41x1.3									●	●	●	
54x1.6									●			
67x1.6									●			
80x1.6												●

● Represents regular stock. Other sizes on request.

## SH Tooth (SH)

## FEATURES



Specifications	TPI								
	8/11	12/16	5/7	3/4	2/3	1.4/2.0	1.0/1.5	0.85/1.3	0.75/1.0
27x0.9	●	●	●	●	●				
34x1.1	●		●	●	●				
41x1.3				●	●	●			
54x1.6				●	●	●	●		
67x1.6				●	●	●	●	●	●
80x1.6					●	●	●	●	●

● Represents regular stock. Other specs on request.

## Features

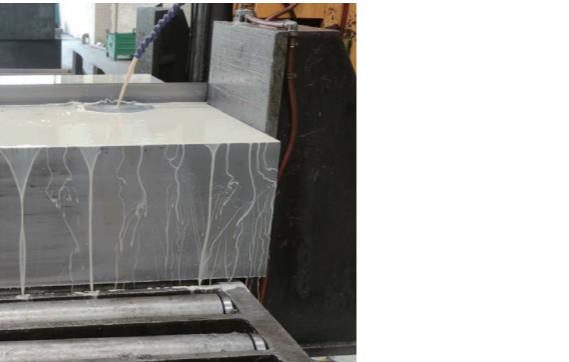
Consisting of two clearance angles. Relatively smaller tooth chip space than the rounded back tooth. Smooth cutting, less noise, and high wear resistance.

## Applications

Widely used in medium to large pitch band saw blades, particularly suitable for cutting difficult-to-cut materials and materials with big cross-sections.

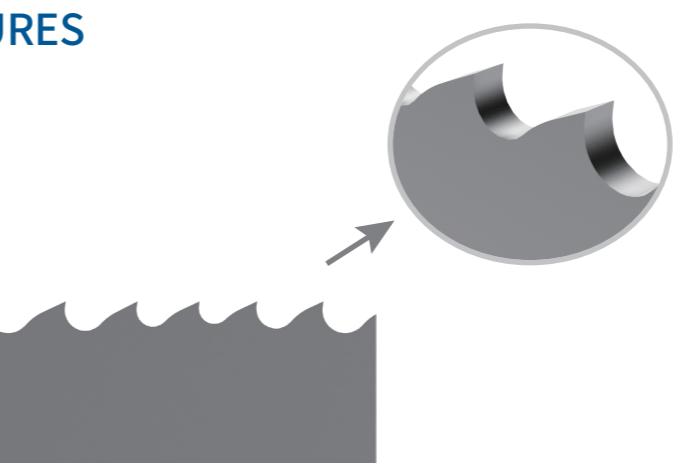


## Scenario



## Rounded Back Tooth (GB)

## FEATURES



Specifications	TPI		
	4/6	3/4	2/3
27x0.9			
34x1.1			
41x1.3	●	●	●

● Represents regular stock. Other specs on request.

## Features

Rounded back tooth is similar to the SH tooth (double clearance angles). Ultimate all-round back flank of the tooth tips, wider gullets, and larger chip space.

## Applications

Suitable for medium pitch band saw blades, high shock resistance, good performance on cutting high-hardness metal materials.

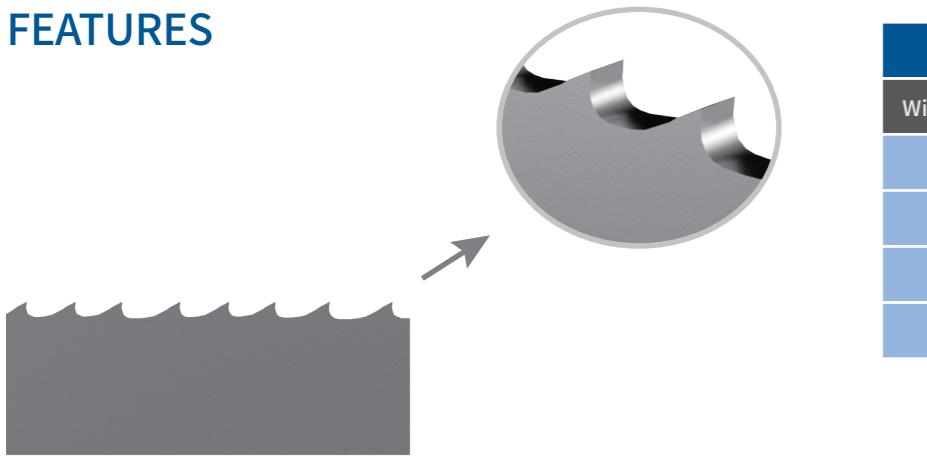


## Scenario



## Hook Tooth (G)

## FEATURES



Specifications	TPI
Width x Thickness (mm)	1.2/1.6
41x1.3	●
54x1.6	●
67x1.6	●
80x1.6	●

● Represents regular stock. Other specs on request.

## Features

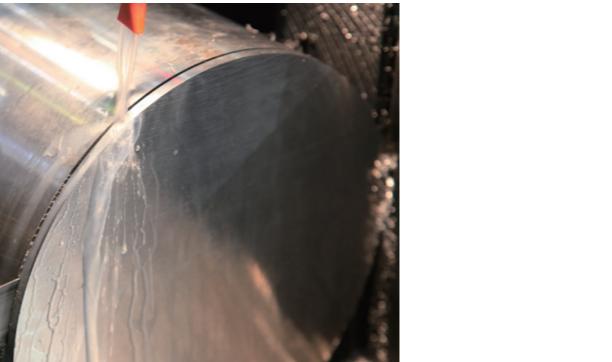
Wide gullet design, high body and tooth rigidity, good chip removal capacity.

## Applications

Widely used in cutting large cross-section workpieces and requiring smooth cutting surface.

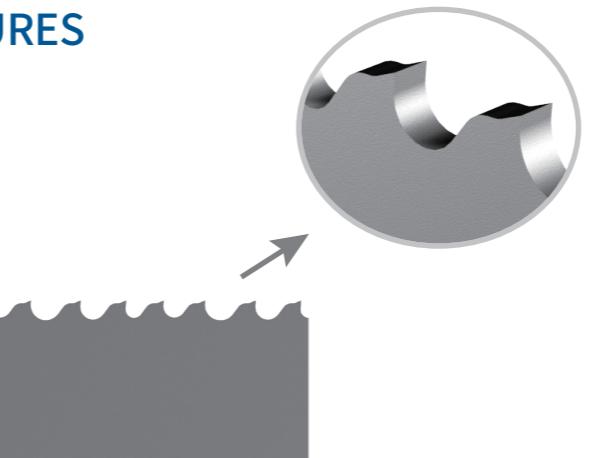


## Scenario



## Impact Resistant Tooth (KL)

## FEATURES



Specifications	TPI
Width x Thickness (mm)	4/6
27x0.9	●
34x1.1	●
41x1.3	●
54x1.6	●

● Represents regular stock. Other specs on request.

## Features

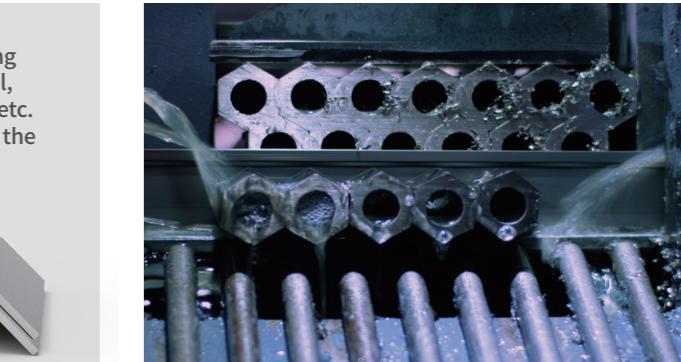
Special design tooth form, strong tooth profile, high cutting precision, high wear resistance, long lifetime.

## Applications

Used for better withstanding impact caused during cutting, such as thin-walled tubes, structural steel, bundled small bars, and other shaped materials, etc. However, the feed rate must be greatly reduced if the wall thickness is ultra-thin.



## Scenario

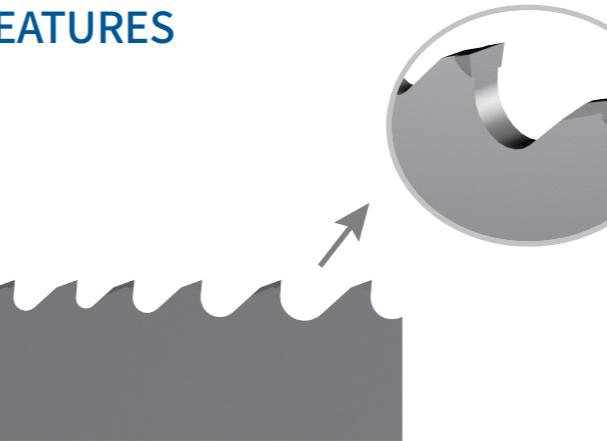




# BAND SAW BLADES FOR WOOD

## SPECIAL FOR WOOD

### FEATURES

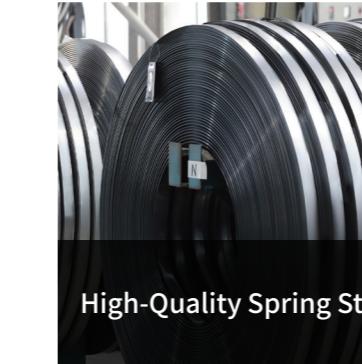


Specifications	TPI			
	2T	16	.13T	.273
Width x Thickness (mm)				
27x0.9	●			●
34x0.9		●	●	
41x0.9	●	●	●	
50x0.9	●	●	●	

● Represents regular stock. Other sizes on request.



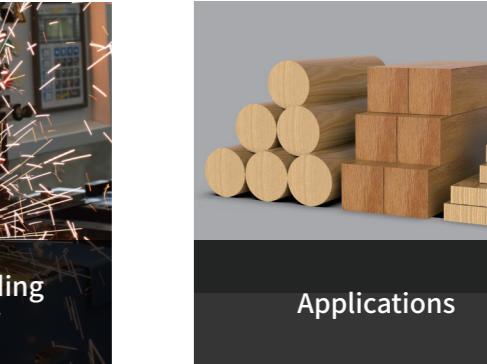
CNC Grinding Technology



High-Quality Spring Steel



Advanced Welding Technology



Applications

High-precision CNC grinding technology makes the tooth tips smooth, wear-resistant and long-lasting.

Adopting high-quality spring steel as the backing material and processing with advanced heat treatment equipment and technology. The product has excellent fatigue strength and rigidity.

Advanced welding equipment and processing technology, high welding strength, and better user experience in different application scenarios.

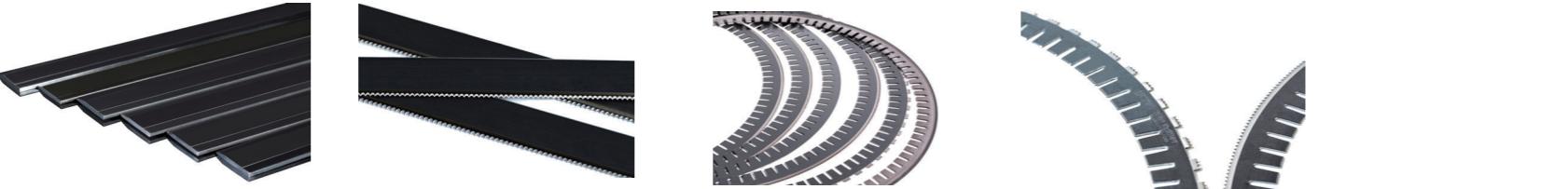
Mahogany, oak, cement brick, PET foaming materials, polyurethane, etc.

# PRODUCT FAMILY

## DIE-CUTTING TOOLS

### Rule Die Steel, Steel Rules, Rotary Die-Cutting/Creasing Rules

Applications: the products are widely used in die-cutting materials of footwear, toys, bags, stationery and sporting goods, automotive interior trim, PU, clothes, paper, etc.



## SAWING TOOLS

### Bi-Metal Band Saw Blades, Carbide Tipped Band Saw Blades, Wood Cutting Band Saw Blades, Circular Saw Blades

Applications: the products are widely used in the sawing of alloy steel, structural steel, mold steel, and other metal materials in the fields of heavy industry, machinery, metallurgy, construction and building materials, etc.



## Applications

