BICHAMP

Bichamp

BAND SAW BLADES

Performance That Dominates

ENGINEERED TO CUT ANYTHING

Industrial-grade band saw blades trusted by manufacturers across 60+ countries. From carbon steel to titanium alloy — we deliver the precision your operation demands.

CUTS ANY MATERIAL

From soft wood to nickel superalloys, our products covers the full spectrum of industrial materials. Our team continuously develops blade geometries and metallurgies to push the limits of what's cuttable.

BI-METAL BAND SAW BLADE

SERIES	FICUT	AA	TANCUT	DTCUT	PROCUT	PROCUT-WS	REINCUT	PT CUT	WD CUT
Building Materials	■								
Aluminum Alloy	■								
Copper, Brass, Bronze									
Carbon Steel, Structural Steel	■	■			■	■	■		
Structural Steel with Residual Stress						■			
Bearing Steel, Forging Steel		■	■						
Mold Steel, Hot-work Steel, Cold-work Steel		■	■	■					
Stainless Steel		■	■	■	■	■	■		
Heat-resistant Steel			■	■					
Tool Steel			■	■					
High-strength Steel			■	■					
Grey Cast Iron	■								
Ductile Cast Iron	■								
Pallet								■	
Wood									■

CARBIDE-TIPPED BAND SAW BLADE

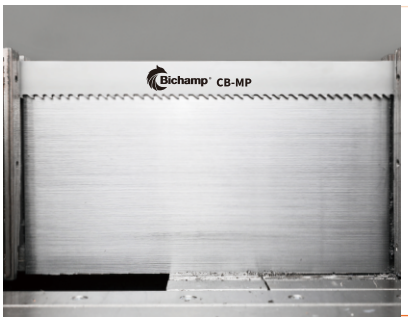
SERIES	CB-MP	CB-PRO	TCB-MP	TCB-PRO
Aluminum Alloy			■	■
Copper, Brass, Bronze	■		■	
Bearing Steel, Forging Steel	■			
Stainless Steel	■	■		
Heat-resistant Steel	■	■		
Tool Steel	■	■		
High-strength Steel	■	■		
Grey Cast Iron	■			
Ductile Cast Iron	■			
Titanium Alloy	■	■		
Super Alloy, Nickel Alloy		■		

■ Recommend

TWELVE BLADE SERIES

Each Bichamp blade series is purpose-engineered for specific materials and cutting conditions. From high-production structural steel cutting to exotic titanium alloys — our range covers it all with precision-ground geometry, premium metallurgy, and rigorous quality control.

CB-MP *Carbide · Triple-Chip Set*



Benefits:

Set style carbide tipped band saw blade, designed for multipurpose applications cutting a wide variety of materials.

Features:

Set style carbide tipped band saw blade based on a triple chip design. Specially selected ultra-fine grain carbide tips for sharp teeth. High quality blade through precision tip welding and grinding.

Applications

Width × Thickness		TPI							
MM	Inches	0.7/1.0	0.75/1.25	1.0/1.25	1.0/1.4	1.4/2.0	2/3	3	3/4
19×0.90	3/4×0.035							■	
27×0.90	1×0.035						■	■	■
34×1.10	1-1/4×0.042					■	■	■	■
41×1.30	1-1/2×0.050					■	■		■
54×1.60	2×0.063	■	■	■	■	■	■		
67×1.60	2-5/8×0.063	■	■	■	■	■	■		
80×1.60	3×0.063	■	■	■	■	■	■		

—— Coated Available

CB-PRO *Carbide · Multi-Chip Set*

Benefits:

Multi-chamfer ground set style carbide tipped band saw blade for difficult-to-cut materials providing excellent cutting performance.

Features:

Multi-chip tooth geometry to reduce cutting forces and improve blade life.
High precision multi setting of teeth improves surface.

Applications

Width × Thickness		TPI					
MM	Inches	0.75/1.25	1.0/1.25	1.4/2.0	2/3	3	3/4
27×0.90	1×0.035				■	■	■
34×1.10	1-1/4×0.042				■		■
41×1.30	1-1/2×0.050			■	■		■
54×1.60	2×0.063	■	■	■	■		
67×1.60	2-5/8×0.063	■	■	■			
80×1.60	3×0.063	■	■	■			

—— Coated Available

TCB-MP *General Purpose · Triple-Chip Non Set*

Benefits:

A general purpose blade for high efficiency cutting with non-set style for consistent performance.

Features:

Traditional Triple Chip tooth geometry. Fine tooth grinding improves cut quality.

Applications

Width × Thickness		TPI							
MM	Inches	0.7/1.0	0.8/1.1	1/1.4	1.4/1.8	1.4/2.0	1.8/2.0	2/3	3/4
27×0.90	1×0.035							■	■
34×1.10	1-1/4×0.042					■		■	■
41×1.30	1-1/2×0.050				■	■	■	■	■
54×1.30	2×0.050				■	■	■	■	
54×1.60	2×0.063		■	■	■	■	■	■	
67×1.60	2-5/8×0.063	■	■	■	■	■	■		
80×1.60	3×0.063	■	■	■	■	■			

—— Coated Available

TCB-PRO AL *Aluminum Specialist • Multi-Chip*

Benefits:

Specially designed multi-chip carbide tipped band saw blade for cutting aluminum and other non-ferrous materials.

Features:

Multi-chip non-set style carbide tipped band saw blade.
Specially selected carbide grade for cutting non-ferrous materials.
Premium backing material for optimum fatigue life at high band speeds.

Applications

Width × Thickness		TPI				
MM	Inches	0.8/1.1	1.4/1.8	1.4/2	2/3	3/4
27×0.90	1×0.035				■	■
34×1.10	1-1/4×0.042			■	■	■
41×1.30	1-1/2×0.050		■	■	■	■
54×1.30	2×0.050		■	■	■	
54×1.60	2×0.063	■	■	■	■	

—— Coated Available

TANCUT *Difficult-to-Cut · High Performance*

Benefits:

Professional band saw blade for difficult-to-cut materials.
Deep gullet tooth design for better chip removal.

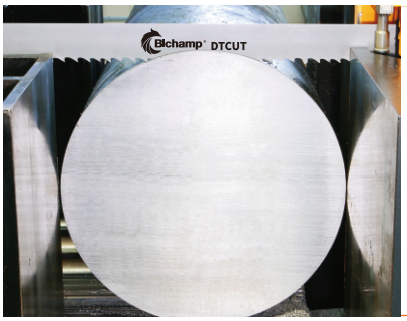
Features:

Powder metallurgy high speed steel edge.
Premium backing material for optimum fatigue life.

Applications

Width × Thickness		TPI				
MM	Inches	0.75/1.25	1/1.5	1.4/2.0	2/3	3/4
27×0.90	1×0.035				■	■
34×1.10	1-1/4×0.042				■	■
41×1.30	1-1/2×0.050			■	■	■
54×1.60	2×0.063		■	■	■	■
67×1.60	2-5/8×0.063	■	■	■	■	■
80×1.60	3×0.063	■				

DTCUT *Reduced Force · High-Low Profile*



Benefits:

Specially designed high-low tooth profile for easier material penetration and reduced cutting forces.

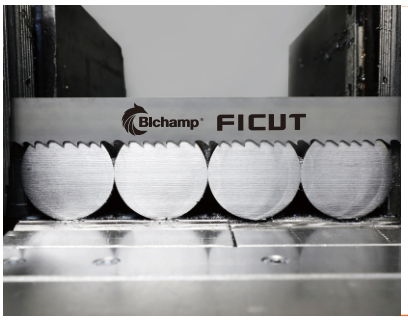
Features:

Powder metallurgy high speed steel edge.
Premium backing material for optimum fatigue life.
Tooth height difference and special set design for smooth cutting.

Applications

Width × Thickness		TPI				
MM	Inches	0.75/1.25	1/1.5	1.4/2.0	2/3	3/4
27×0.90	1×0.035				■	■
34×1.10	1-1/4×0.042				■	■
41×1.30	1-1/2×0.050			■	■	■
54×1.60	2×0.063		■	■	■	
67×1.60	2-5/8×0.063		■	■		
80×1.60	3×0.063	■	■			

FICUT *Multi-Purpose · M42 Bimetal*



Benefits:
Multi-Purpose blade ideal for everyday workshop applications.

Features:
M42 HSS edge provides durability.

Enhanced cutting efficiency via advanced manufacturing techniques.

Applications

Width × Thickness		TPI															
MM	Inches	0.75/1.25	1/1.5	1.4/2.0	2/3	3/4	4/6	5/8	6/10	8/12	10/14	14/18	3	4	6	14	18
13×0.65	1/2×0.025							■	■	■		■		■	■	■	■
13×0.90	1/2×0.035							■	■	■		■	■	■	■	■	
19×0.90	3/4×0.035							■	■	■		■	■	■	■	■	
27×0.90	1×0.035				■	■	■	■	■			■	■	■	■	■	
34×1.10	1-1/4×0.042			■	■	■	■	■	■		■						
41×1.30	1-1/2×0.050		■	■	■	■	■	■	■								
54×1.60	2×0.063	■	■	■	■	■	■										
67×1.60	2-5/8×0.063	■	■	■	■	■											

All-Purpose · Powder Metallurgy

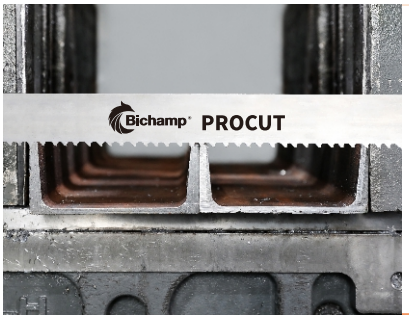
Benefits:
The all-purpose band saw blade for different demands.
The powder HSS teeth offer the best balance of better wear resistance and toughness.
A deep gullet tooth design ensures an optimized chip removal.

Features:
Powder metallurgy high speed steel edge.
Variable pitch with positive rake angle.
Patented heat treatment process and optimized surface treatment.

Applications

Width × Thickness		TPI						
MM	Inches	0.75/1.25	1/1.5	1.4/2.0	2/3	3/4	4/6	5/8
27×0.90	1×0.035				■	■	■	■
34×1.10	1-1/4×0.042				■	■	■	■
41×1.30	1-1/2×0.050				■	■	■	■
54×1.30	2×0.050			■	■	■	■	
54×1.60	2×0.063	■	■	■	■	■	■	
67×1.60	2-5/8×0.063	■	■	■	■	■	■	

PROCUT *Structural Steel · High Speed*



Benefits:

Special tooth geometry minimizes chipping and maximizes blade life.
Allows deeper cuts at higher speed.

Features:

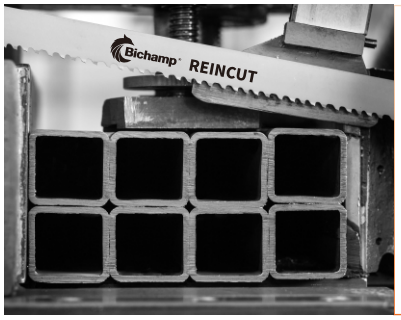
Excellent fatigue resistance and cutting performance.
Impact resistant design supports aggressive cutting.
Engineered specifically for structural steel cutting.

Applications

Width × Thickness		TPI		
MM	Inches	2/3	3/4	4/6
27×0.90	1×0.035		■	■
34×1.10	1-1/4×0.042		■	■
41×1.30	1-1/2×0.050	■	■	■
54×1.60	2×0.063	■	■	■
67×1.60	2-5/8×0.063	■	■	

WS(Wide Set) is available

REINCUT *Bundle Cutting · Reinforced*



Benefits:

Reinforced teeth and optimized tooth set reduce vibration and enhance durability.
Tooth design minimizes chipping.

Features:

Durable tooth design for tough jobs.
Engineered specifically for bundle cutting.
Various set patterns available.

Applications

Width × Thickness		TPI			
MM	Inches	4/6	5/7	8/11	12/16
13×0.65	1/2×0.025			■	
13×0.90	1/2×0.035			■	
19×0.90	3/2×0.035	■	■	■	■
27×0.90	1×0.035	■	■	■	■
34×1.10	1-1/4×0.042		■		
41×1.30	1-1/2×0.050		■		

PT CUT

Pallet Dismantler · Vari-Tooth

Benefits:

With Vari-tooth design cuts through nails and screws.
Improved blade life while reducing vibration.

Features:

Combines the flexibility of spring steel backer with the wear resistance of high speed steel tooth.

Applications

Width × Thickness		TPI
MM	Inches	5/8
34×1.10	1-1/4×0.042	■

WD CUT

Lumber · 8% Cobalt HSS

Benefits:

8% Cobalt HSS teeth with advanced heat treatment for superior wear resistance.
Fatigue-resistant backing steel for reliable performance.

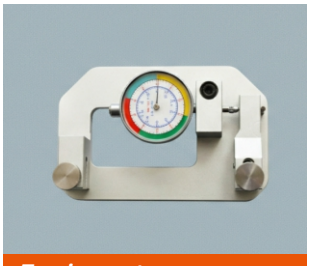
Features:

Special tooth profile extends tool life between re-sharpening.
Bi-metal blades last longer than carbon blades.

Applications

Width × Thickness		TPI	
MM	Inches	1.1	2
34×0.90	1-1/4×0.035	■	■
34×1.10	1-1/4×0.042	■	■

TOOLKIT



Tension meter

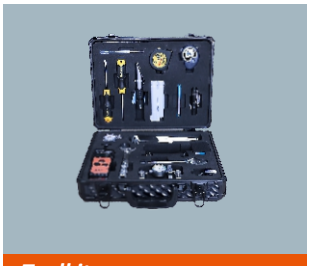
Proper blade tension is essential for accurate cutting and helps extend the service life of band saw blades.The Bichamp tension meter enables quick and easy tension measurement.

Refractometer

Proper coolant concentration helps reduce wear on band saw blade teeth.Using a refractometer, the coolant mixing ratio can be quickly measured and displayed as a percentage.

Tachometer

Cutting speed affects blade life, cutting efficiency, and noise levels. The tachometer provides accurate speed measurements for easy adjustment and optimization.



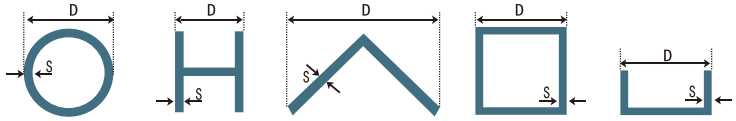
Toolkit

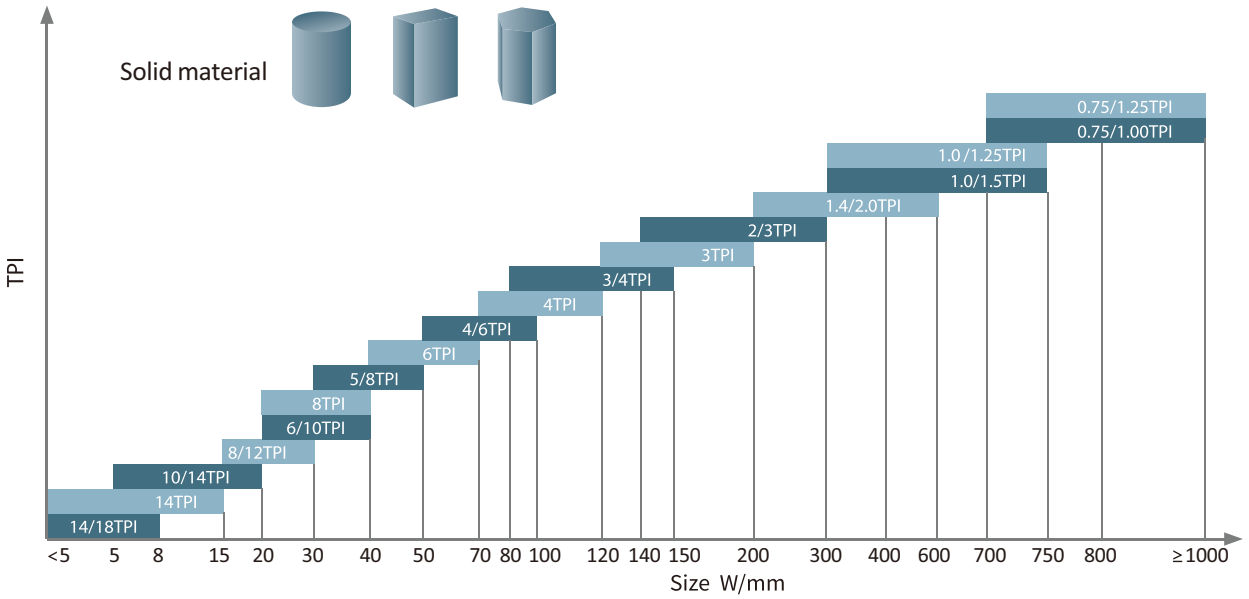
Includes tension gauge, refractometer, tachometer, tape measure, dial gauge, magnifying glass, wrenches, screwdrivers, and other essential tools for band saw inspection and maintenance.

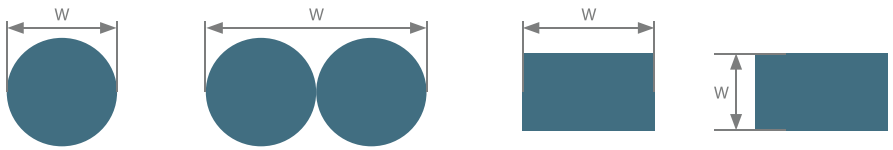
TOOTH PITCH GUIDE

Choosing the right TPI (teeth per inch) is critical for cut quality, blade life, and feed rate. Use these charts developed from decades of real-world cutting data across global production environments.

Thickness S/mm	Diameter D/mm													
	15	20	40	60	80	100	120	150	200	300	400	500	600	>700
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	4/6	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							3/4	2/3	2/3	2/3	2/3	2/3	2/3	2/3
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 1.0/1.25	1.0/1.5 1.0/1.25
150											1.4/2.0	1.4/2.0	1.0/1.5 1.0/1.25	1.0/1.5 1.0/1.25
200												1.4/2.0	0.75/1.25 0.75/1.00	0.75/1.25 0.75/1.00
250													0.75/1.25 0.75/1.00	0.75/1.25 0.75/1.00
> 300														0.75/1.25 0.75/1.00







QUALITY MAKES THE FUTURE

BICHAMP CUTTING TECHNOLOGY CO.,LTD.

Global Headquarters:
No.68 Taijia Road, Changsha, Hunan, PRC

Serving customers in North America • Europe • Asia • Latin America • Middle East
60+ Countries • 24/7 Technical Support

E-mail: Marketing@bichamp.com
Website: www.bichamptools.com
Tel: +86 731 8805 9666