



Morgan is closely inspecting the bi-metal blades after the hardening operation.

BI-METAL BLADES FOR METAL

M42 BI-METAL

Standard products

O Special - MOQ may be required

Our M42 Bi-metal blades are made of the highest quality Cobalt M42 steel and are very suitable for sawing most materials.

	ALL	PO	W	DE	₽ ™				- •				
						Teet	h/inc	h					
		3	4	6	2/3	3/4	<u>4/6</u>	5/8	6/10	8/12	10/14		
	6 x 0.6			0							0	1/4 x .025	
	6 x 0.9										0	1/4 x .035	
	10 x 0.6			0							•	3/8 x .025	
	10 x 0.9			0								3/8 x .035	
	12 x 0.6	0	0								•	1/2 x .025	<u>s</u> .
(H	12 x 0.9	0										1/2 x .035	sizes (Inches)
sizes (mm)	19 x 0.9	•	0				•	•		•		3/4 x .035	(In
size	27 x 0.9											1 x .035	ches
	34 x 1.1				•							11/4 x .042	٣
	41 x 1.3											11/2 x .050	
	54 x 1.3				0	0						2 x .050	
	54 x 1.6											2 x .063	
	67 x 1.6				•	•	•					2 5/8 x .063	

	POV	VER	MA	Кти]		⊞ (0 & ===	
				Teet	h/inch				
		1.3/2	2/3	3/4	4/6	5/7	8/11		
	27 x 0.9			•	•	•	•	1 x .035	S.
sizes (mm)	34 x 1.1		•	•	•	•	0	11/4 x .042	sizes (Inches)
u) sa	41 x 1.3	0	0	•	•	0		11/2 x .050	(In
size	54 x 1.6	0	0	•	0			2 x .063	che
	67 x 1.6		0	•				2 5/8 x .063	<u>s</u>

	CON	IMAND	ER	_	- •• = •			IMIZDI			
			Teeth/inch						Teeth/inch		
		2/3	3/4	4/6				1.25	0.8/1.3	1.3/2	
ં	27 x 0.9	•	•	•	1 x .035	SIZ	E 34 x 1.1	•			11/4 x .042
un U	34 x 1.1	•	•	•	11/4 x .042	es (i	41 x 1.3	0		•	1 1/2 x .050
sizes	41 x 1.3	•	•	0	1	2	^φ 54 x 1.6	0	0	•	2 x .063
SI.	54 x 1.6	•	•	0	2 x .063	les	67 x 1.6		0	0	2 5/8 x .063

M51 BI-METAL

Our M51 bi-metal blades are made using a high-alloy backing material and an HSS M51 tooth tip.

PER	FOR	MER	гм		•• ■	• * •		PER	FORME	R X [™]	- •• =	• * •
			Teeth/ind	:h						Teeth/inch		
	0.8/1.3	1.3/2	2/3	3/4	4/6				0.8/1.3	1.1/1.6	1.3/2	
27 x 0.9			0	•	•	1 x .035		∂ 41 x 1.3		0	0	11/2 x .050
a 34 x 1.1			•	•	•	11/4 x .042	SIZ	표 54 x 1.6	0	0	0	2 x .063
34 x 1.1 41 x 1.3		•	•	•	0	11/2 x .050	6	⁶ 67 x 1 6	0	0	0	2 5/8 x .063
54 x 1.6	0	•	•			2 x .063	(Inch	.13 80 x 1.6	0	0	0	3 1/8 x .063
⁶⁷ x 1.6	0	•	0			2 5/8 x .063	ıes)					
80 x 1.6		0				3 1/8 x .063						

CARBIDE BLADES FOR METAL

CT CARBIDE

Standard products

O Special - MOQ may be required

DD GD

1/2 x .025 3/4 x .035 1 x .035 1 1/4 x .042 sizes (Inches)

Blades tipped with Tungsten Carbide offer many advantages when cutting high hardness materials. They are more durable than conventional blades resulting in longer life and less time spent changing blades. In addition, they retain their sharpness better to give high performance for longer.

	RAP	PID C	T10				•• • •			RAP	ID CT	20			•	
				Teeth/inc	:h							Teet	h/inch			
		0.8/1.2	1.1/1.6	1.5/2	2/3	3/4					0.8/1.2	1.1/1.6	1.5/2	2/3		
	27 x 0.9					0	1 x .035			34 x 1.1				0	11/4 x .042	ŝ
<u>د</u>	34 x 1.1				0	0	1 1/4 x .042		(H	41 x 1.3			0	0	11/2 x .050	SIZES
(mm)	41 x 1.3			0	0	0	11/2 x .050	es (Inch	sizes (mm)	54 x 1.6			0	0	2 x .063	
sizes	54 x 1.6			0	0		2 x .063	nch	size	67 x 1.6	0	0	0		2 5/8 x .063	(Inches)
SI.	67 x 1.6		0	0			2 5/8 x .063			80 x 1.6	0	0			3 1/8 x .063	ŝ
	80 x 1.6	0	0				3 1/8 x .063									

	19 x 0.9 O 27 x 0.9 O				_	•• • •		RAP	PID CT40		- •• = •
			Teet	h/inch					Teet	th/inch	
		2	3	1.5/2	2/3	212	N		2/3	3/4	Siz
(u	19 x 0.9		0			3/4 x .035		27 x 0.9		0	1 x .035
н) s	27 x 0.9		0		0	1 x .035		34 x 1.1		0	11/4 x .042
size	34 x 1.1	0	0	0		11/4 x .042		41 x 1.3	0	0	11/2 x .050

CARBIDE GRIT

Used for extremely hard material that cannot be cut using normal saw blades.

CARBIDE	GRIT - STRAI	GHT EDGE	CARBID	e grit - gullete
(u		siz		
12 x 0.60	0	1/2 x .025	(H 12 x 0.60	0
⁰ / ₀ 19 x 0.80	0	3/4 x .032	S 19 x 0.80	0
Siz		hes)		0
		•	32 x 1.10	0

BLADES BASED ON MATERIAL

Non Ferrous, Aluminum	Carbon steels	Structural steels	Alloy steels	Mold Steels	Stainless Steels	Duplex	Tool Steels	Titanium alloys	High temp steels, Inconel	Surface hardened	Appli	cation	symt	ools
Easy to cut									I	Difficult to cut				
	ALLPC	WER			ALLPOWER						- ••		• /	× H
	POWE	RMAX			POWERMAX						माम ٨		C C	8 88
			COMMANDER				COMMANDER				- ••		•	
		OPTII	MIZER				OPTIMIZER						•	
					PERFC	RMER		PERFORMER			- ••		•	ж н
					PERFOR	RMER X		PERFORMER			- ••		•	ж н
						CT	-10				- ••		•	
		CT-20					CT-20				— ••		•	
CT-30	CT-30										- ••		•	
									CT-	40	- ••		•	
PECOM	MENDED - VER	V GOOD	ci	ITTING POSSIB	TP									

M42 BI-METAL

ALLPOWERTM

- Our most popular allround blade from workshops to heavy industrial cutting
- Suitable for production as well as non-production cutting
- Produced from HSS M42 edge and known for its consistency
- Tooth set: AR
- Positive cutting angle (8°) in pitches: Tooth profile: PC (Hook) 3, 4, 6, Tooth profile: PFV 2/3, 3/4, 4/6 and 5/8
- Zero degree cutting angle (0°) in variable tooth pitches 6/10, 8/12 and 10/14. Tooth profile: FV

POWERMAXTM

- A completely different type of blade with a unique tooth design and setting pattern
- Results in high performance for interrupted cuts in structural steels like tubes, profiles and beams
- Shock resistant, reduces vibrations, noise level and tooth breakage
- Specially suitable for bundle cutting in one or multiple layers
- Tooth set: AR
- Tooth profile: PXV

COMMANDERTM

- The suitable choice where high productivity is required
- Specially designed for optimal chip flow and increased cutting rate
- High wear resistance
- Produced from HSS M42 edge suitable for solid and tough materials
- Tooth set: AR
- Tooth profile: PCV III

OPTIMIZERTM

- Specially designed tooth for improved chip flow
- For tough and demanding production cutting
- Fast cutting of wide cross sections of ferrous and non-ferrous metals
- High heat and wear resistance
- Increased blade life when sawing in material that can work harden if not consistently penetrated
- Tooth profile: POV II

M42 LOG[™]

- For portable sawmills
- The suitable choice were high production is required
- Specially designed for optimal chip flow and increased cutting rate
- High wear resistance
- HSS edge for longer run time between regrinding
- Tooth set: RS

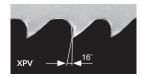
M51 BI-METAL

PERFORMERTM

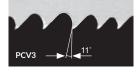
- M51 HSS tooth
- Heavy set
- PERFORMER XTM
- For higher productivity on harder materials
- Special tooth profile 16°
- M51 HSS tooth
- Extra heavy set available
- High wear and heat resistance
- Long and reliable tool life

- Long and reliable tool life
- High shock resistance
- For difficult to cut materials
- Higher cutting rate
- Tooth set: AR
- Tooth profiles: POVII, PCVIII















- High shock resistance
- Suitable for high-alloy materials
- Improved chip flow
- Higher cutting rate
- Tooth set: AR
- Tooth profile: XPV

- High wear and heat resistance

CT CARBIDE

RAPID CT10

- Carbide tipped band saw blade for cutting tool steels, high speed steels and stainless steels
- The unique tooth geometry results in better chip separation, low noise and high cutting rates
- For faster cutting and excellent finish

RAPID CT20

- Carbide tipped band saw blade with unique setting
- For cutting materials with residual stress
- Suitable for titanium, titanium alloys, and Ni-Cr based alloys
- · Ideal for wider / thicker profiles

RAPID CT30

- Carbide tipped band saw blade developed for cutting non-ferrous materials and especially aluminum
- The fatigue resistant alloyed steel backing withstands the severe mechanical stress due to the high cutting speeds and feeds
- For high productivity and long blade life

RAPID CT40

- Carbide tipped band saw blade with special design developed for cutting hardened and tempered or induction hardened materials
- For cutting materials with hardness between 50-60 HRc

CARBIDE GRIT

CARBIDE GRIT – STRAIGHT EDGE

- Instead of teeth, this saw blade has carbide grains soldered in place
- Used for extremely hard material that cannot be cut using normal saw blades
- Suitable for glass, fibreglass, titanium and nickel alloys

CARBIDE GRIT – GULLETED EDGE

- Instead of teeth, this saw blade has carbide grains soldered in place
- Used for extremely hard material that cannot be cut using normal saw blades
- · Suitable for composites, ceramics, wire, tyres and hardened steels







Håkansson Sågblad AB

ACCESSORIES

TENSION METER

Correct band tension is essential for straight cut and prolonged blade life.



REFRACTOMETER

Proper concentration of the cooling lubricants is of utmost importance for the cutting result.



Digital tachometer showing the band speed in feet/min as

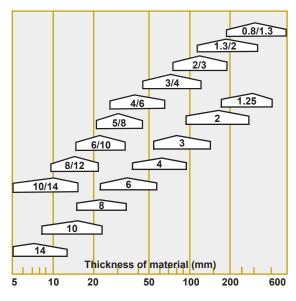
well as m/min.

TACHOMETER



RECOMMENDED TOOTH PITCH.

Solid work piece

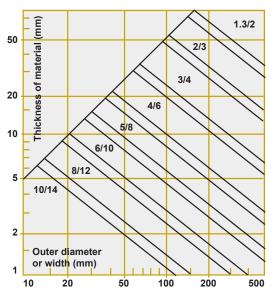


This diagram is a guide to help you chose the correct tooth pitch when <u>cutting solid work pieces</u>. The very best choice is where the tooth pitch-area is at

its widest.

When cutting soft materials such as wood, plastics, aluminum etc. choose a two-step coarser tooth pitch.

Pipes and profiles



This diagram is a guide to help you chose the correct tooth pitch when **cutting pipes and profiles**. The very best choice is in the area, where a line from the outer diameter crosses a line from the thickness of the material.

When cutting profiles, choose the tooth pitch, where the line from the width of the profile crosses the line from the material thickness of the profile.

Can't see what you're looking for?

Contact us to find out about other options and customization possibilities to match your application.

Håkansson Sågblad AB

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