

PROFESSIONAL INDUSTRIAL CUTTING





SWORD

SWORD Sp. z o.o. Sp. k. [Limited Liability Company - Limited Partnership] is one of the largest manufacturers and distributors of band saws in Europe. SWORD-MASTER bandsaw blade are supplied to approximately 6000 clients in Poland and to over 20 countries in Europe, Asia and Africa. SWORD-MASTER bandsaws blade are delivered to approximately 6,000 customers in Poland and to over 20 countries in Europe, Asia and Africa.

The SWORD QUALITY has been built for over 30 years based on extensive experience, expert knowledge and solid technical structure. SWORD operates its own Quality Control Department while certain materials we use are contract tested by specialized laboratories.

In 2002, we started up manufacturing of bandsaw blades under the name SWORD-MASTER, that quickly the largest brand on the Polish market. SWORD-MASTER bandsaw are used both for basic applications and for specialized cutting of hard-to-cut materials and profiles. SWORD also supplies Japanese AMADA bandsaws blades and circular saw blades, the special characteristics and quality of which guarantee efficiency of the performed processes.

The SWORD offer includes a wide range of bandsaw blades and circular saws. SWORD is the exclusive supplier of AMADA and FMB cutting machines in Poland.

WE OFFER:

SWORD-MASTER bi-metal bandsaws blades
SWORD-MASTER bandsaw blades for wood cutting
Bandsaw blades for food cutting and band knives

and also:

service and parts for machines
SWORD FLUID cooling and lubricating fluids
refractometers
tension meters

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SWORD-MASTER BANDSAW BLADES

Bandsaw blades produced by SWORD guarantee effective cutting in thousands of Polish companies. Our offer is split into three groups: bandsaw blades for cutting easy-to-cut materials, bandsaw blades for cutting hard-to-cut materials and those for cutting profiles. Within each group we offer a variety of bandsaw blades that are proposed by our commercial and technical advisors in response to the clients' intended use.



DESIGNED FOR HIGH EFFECTIVE CUTTING

BI-METAL BANDSAW BLADES

		NON-FERROUS METALS	CONSTRUCTION STEEL	HEAT-TREATED STEEL	TOOL STEEL FOR COLD WORK	STAINLESS STEEL	HOT WORK TOOL STEEL	HEAT-RESISTANT STEEL	NICKEL AND TITANIUM ALLOYS
SAWS FOR SOLID, EASY-TO-CUT MATERIALS	SWORD-MASTER A	•••	•••	•	•	•	-	-	-
	SWORD-MASTER SUPER	•••	•••	••	•	••	-	-	-
SAWS FOR SOLID MATERIALS, DIFFICULT TO CUT	SWORD-MASTER M51 H	-	-	••	•••	•••	••	••	•
	SWORD-MASTER X-TREME	-	-	•	••	••	•••	•••	-
	SWORD-MASTER M71-C	-	•	•	••	••	•••	••	••
SAWS FOR PROFILES AND SECTIONS	SWORD-MASTER AP	•••	•••	••	-	••	-	-	-
	SWORD-MASTER PROFILE MAX	•••	•••	••	•	••	-	-	-
UNIVERSAL SAWS	SWORD-MASTER 3D UNIVERSAL	••	•••	•••	•••	•••	-	-	-

••• dedicated use

•• recommended use

• optional use





SWORD-MASTER VW **STG**

BANDSAW BLADES FOR SOLID EASY-TO-CUT MATERIALS



Bimetal saws dedicated for cutting solid materials and for single cutting of sections made of less demanding materials. Designed for cutting materials such as: aluminium, free-cutting steels, construction steels, stainless steels, tool steels for cold work. The wide range of application of saws enables work in variable production conditions.

DESIGNED FOR HIGH EFFECTIVE CUTTING

SWORD-MASTER A BI-METAL BANDSAW BLADES

- | A wide range of tooth width and size.
- | Dedicated to changing production conditions.
- | Recommended for construction steel and non-ferrous metals.
- | Optional for stainless steel

WIDTH [mm]	SIZE [mm]	TEETH PER INCH										
		1,1/1,5	1,4/2,0	2/3	3/4	4/6	5/8	6/10	8/12	10/14	14/18	
13	0,65							•	•	•	•	
19	0,9					•	•	•	•	•		
27	0,9			•	•	•	•	•	•	•		
34	1,1			•	•	•	•	•	•			
41	1,3	•	•	•	•	•						
54	1,3			•	•							
54	1,6	•		•	•	•						
67	1,6	•		•	•							

SWORD-MASTER SUPER BI-METAL BANDSAW BLADES

- | Application for variable cutting
- | Positive tooth rake angle up to 8°<0}
- | Large tooth space
- | Increased body flexibility for extended service life

WIDTH [mm]	SIZE [mm]	TEETH PER INCH						
		2/3	3/4	4/6	5/8	6/10	8/12	10/14
13	0,64					•	•	•
19	0,9			•	•	•	•	•
27	0,9	•	•	•	•	•	•	•
34	1,1	•	•	•	•	•	•	
41	1,3	•	•	•	•	•		
54	1,6	•	•	•	•			
67	1,6	•	•	•				

BI-METAL BANDSAW BLADES



UNIVERSAL BANDSAW BLADE

SWORD-MASTER 3D UNIVERSAL BIMETAL BANDSAW BLADE

A unique sequence of 3 teeth: a classic tooth (easy-to-cut materials) a tooth with an increased rake angle (difficult to cut) and a tooth with a reinforced spine (profiles). Designed for cutting both solid materials and profiles.

WIDTH [mm]	SIZE [mm]	TEETH PER INCH	
		3/4	4/6
19	0,9		•
27	0,9	•	•
34	1,1	•	•
41	1,3		•

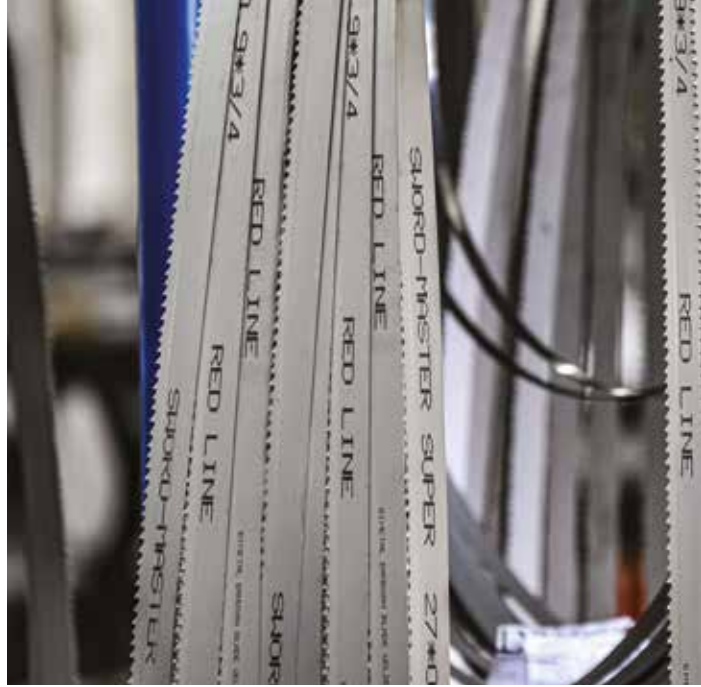
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BANDSAW BLADES FOR SOLID HARD-TO-CUT MATERIALS

Bi-metal bandsaw blades for demanding materials, from stainless steels to nickel and titanium alloys. The geometry of the teeth allows the use of higher cutting parameters, while ensuring a long service life under difficult conditions.



SWORD-MASTER X-TREME BI-METAL BANDSAW BLADES

- Excellent chip formation and evacuation.
- Increased performance and service life.
- Aggressive tooth rake angle (11 °) enables efficient cutting of demanding materials.
- Recommended for cutting alloy and tool steels.
- For cutting solid materials, thick-walled pipes and compact solid material packages.

WIDTH [mm]	SIZE [mm]	TEETH PER INCH				
		0,8/1,3	1,3/2,0	2/3	3/4	4/6
27	0,9			•	•	•
34	1,1			•	•	•
41	1,3		•	•	•	•
54	1,6	•	•	•	•	•
67	1,6	•	•			

SWORD-MASTER M71-C BI-METAL BANDSAW BLADES TYPE M71

- Increased abrasion resistance - tooth tips made of high-speed P-type powder steel, hardened to 1000HV.
- High heat resistance.
- Increased fatigue resistance due to the unique structure of the carrier.

WIDTH [mm]	SIZE [mm]	TEETH PER INCH			
		1,4/2,0	2/3	3/4	4/6
27	0,9		•	•	•
34	1,1		•	•	•
41	1,3	•	•	•	

SWORD-MASTER M51-H BI-METAL BANDSAW BLADES TYPE M51

- High durability of M51 steel blades - tooth tips hardened to 1000 HV.
- Aggressive tooth rake angle (11°) enables efficient cutting of demanding materials.

WIDTH [mm]	SIZE [mm]	TEETH PER INCH			
		0,8/1,3	1,3/2,0	2/3	3/4
41	1,3		•	•	•
54	1,6	•	•	•	
67	1,6	•	•	•	
80	1,6	•	•		





BANDSAW BLADES FOR PROFILES AND SECTIONS

Bi-metal bandsaws blades designed for cutting profiles, pipes and sections. Reinforced teeth of the saws prevent chipping when entering the material, as well as the adverse effects of vibrations resulting from the shape of the material.

DESIGNED FOR HIGH EFFECTIVE CUTTING

SWORD-MASTER PROFILE MAX BI-METAL BANDSAW BLADES

- Variable tooth set and flexible body to minimize vibrations.
- Increased cutting performance.
- Noise reduction.

WIDTH [mm]	SIZE [mm]	TEETH PER INCH					
		1,3/2,0	2/3	3/4	4/6	5/8	8/12
27	0,9			•	•	•	•
34	1,1		•	•	•	•	•
41	1,3		•	•	•	•	
54	1,6	•	•	•	•		
67	1,6		•	•			

SWORD-MASTER AP BI-METAL BANDSAW BLADES

- Toothing to prevent tooth chipping.
- Long service life and cutting performance.
- Recommended for serial cutting with variable characteristics in production conditions.

WIDTH [mm]	SIZE [mm]	TEETH PER INCH			
		3/4	4/6	5/7	8/12
27	0,9	•	•	•	•
34	1,1	•	•	•	
41	1,3	•	•		

BI-METAL BANDSAW BLADES





BANDSAW BLADES FOR WOOD CUTTING

We offer bandsaw blades for cutting hard and soft wood, plywood and other materials. Our portable saw mill blades have a service life increased by about 40% compared with the competition.

SWORD-MASTER STRONG FLEX CARBON STEEL BANDSAW BLADE

Recommended for cutting hard and soft wood as well as wood-based materials, plastic and non-ferrous materials.

- | Aggressive tooth rake angle.
- | Flexible back.
- | Excellent cutting performance.
- | A wide range of sizes and TPI.
- | Tooth hardness: 64-68 HRC.
- | Body hardness: 27-30 HRC.

WIDTH [mm]	SIZE [mm]	TEETH PER INCH		
		3	4	6
6	0,65		•	•
10	0,65	•	•	•
13	0,65	•	•	•
16	0,8		•	
19	0,8	•	•	•
25	0,9	•		



DESIGNED FOR HIGH EFFECTIVE CUTTING

BANDSAW BLADES FOR WOOD CUTTING



SWORD-MASTER STRONG TRAK CARBON STEEL BANDSAW BLADES

The innovative structure of the body and that of the tooth ensures a 40% increase in durability and a double uninterrupted time of work to rest.

The body is made of high-alloy steel with an increased content of alloying elements (Cr, Mo, Mn).

- | Induction hardened teeth.
- | Polished notches.
- | Increased surface of hardened teeth.
- | Increased durability of the tooth set.
- | Tooth hardness: 66-67 HRC.
- | Body hardness: 45-48 HRC.

WIDTH [mm]	SIZE [mm]	ROZWIDZENIE [mm]	TEETH PER INCH
			1,1
32	0,9	0,56	•
32	1,07	0,56	•
35	1,1	0,56	•
38	1,07	0,56	•
38	1,3	0,56	•
51	1,1	0,56	•

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BANDSAW BLADES FOR FOOD CUTTING

Rigorous regulations applied in the food industry enforce the highest quality of our products, guaranteeing consumers safety. Our tools are used in the meat, fish and many other related industries.

THO CARBON STEEL BANDSAW BLADES

- Recommended for cutting and partition of pork and beef carcasses, partition poultry, cutting frozen fish and frozen blocks, filleting and portioning.
- Available in three versions: basic, with self-cleaning tooth (SPS) and of stainless steel (THOS).
- Made of a special alloy approved for direct and indirect contact with food.
- Blade hardness in the range of 59 - 65 HRC.
- The tooth rake angle is in the range of 0 - 5 °.
- Saw cut 1mm



WIDTH [mm]	SIZE [mm]	teeth per inch			
		primary version	version SPS	version THOS*	
		3	4		
16	0,36	•			
16	0,4	•			
16	0,5	•	•	•	•
16	0,56	•	•		
16	0,6	•		•	
19	0,56	•	•	•	
20	0,5	•	•		
30	0,38				•
30	0,43				•

* stainless steel version

THO WITHOUT TEETH CARBON STEEL BANDSAW BLADES

- Recommended for filleting and cutting fish.
- Optionally for cutting various types of plastics, foam, non-woven fabrics, paper hygiene products.
- Made of a special alloy approved for direct and indirect contact with food.

WIDTH [mm]	SIZE [mm]
10	0,5
12,5	0,5
16	0,5
30	0,7
35	0,7

CONVEX CARBON STEEL BANDSAW BLADE

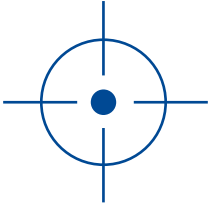
- A specialized blade with a corrugated blade in the shape of a convex lens-shaped teeth with rounded notches and a hardened back for a straight cut.
- Recommended for halving poultry bodies, cutting meat without waste, portioning and filleting fish.
- Optionally for cutting various types of plastics, foam, non-woven fabrics, paper hygiene products.
- Note: The blade is not suitable for cutting frozen blocks of fish.

WIDTH [mm]	SIZE [mm]
12,5	0,5
16	0,5
20	0,5
40	0,8

SCALLOP CARBON STEEL BANDSAW BLADES

- A specialized bandsaw blade with a concave lens-shaped notch. Designed to work on slicers and table cutters.
- Recommended for waste-free cutting and filleting of fresh fish, slicing and bakery industry.
- Optional for cutting paper and cardboard.
- Note: The blade is not suitable for cutting frozen blocks of fish.

WIDTH [mm]	SIZE [mm]
10	0,45
12,5	0,5
16	0,5



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