

SWORD-MASTER P71-C

Specialistic abrasion resistant bandsaw blade for cutting difficult-to-cut materials

SWORD-MASTER SPECIAL HSS products are the latest generation of bandsaw blades with the teeth tips hardened to the hardness 69-70 HRC (1000 HV). They are characterized by increased high temperature resistance to over 600°C and outstanding fatigue resistance with elasticity modulus extended over 200 Gpa.

The tooth tips are made of sintered high-speed steel **P-type (Powder HSS)** and hardened to 69-70HRC (1000HV).

Applications:

- ▶ Tool steels
- ▶ Stainless steels
- ▶ Alloys
- ▶ Heat-treatable steels
- ▶ Nickel alloys (eg . Inconel)
- ▶ Titanium alloys
- ▶ Composite materials
- ▶ Cast iron
- ▶ Abrasion resistant steels (eg . Hardox)

Advantages:

- ▶ New generation bandsaw blade
- ▶ Modified tooth geometry
- ▶ Teeth tips hardened to 69-70 HRC (1000 HV)
- ▶ Increased abrasion resistance
- ▶ Extremely high heat resistance that allows cutting at high temperatures
- ▶ Extended period of efficient exploitation thanks to increased fatigue resistance

width [mm]	thickness [mm]	tooth pitch			
		1.4/2.0	2/3	3/4	4/6
27	0.9		■	■	■
34	1.1		■	■	■
41	1.3	■	■	■	

SWORD-MASTER M51-H

Specialistic bandsaw blade for cutting difficult-to-cut materials

The tooth tips are made of special high-speed steel. The body of blade is made of modified spring steel. Special wide setting causes better chip removal and cutting temperature reduction which results in its increased heat resistance and the ability to work effectively in difficult technical and temperature conditions. The tooth tips are hardened to approximately 69 HRC (1000 HV). High temperature resistance of M51-H blades allow to use higher speeds when cutting middle and hard to cut materials.

Applications:

- ▶ Stainless steel
- ▶ Bearing steels
- ▶ Titanium and titanium alloys
- ▶ Forged steels
- ▶ Hardened and tempered steel alloys

Advantages:

- ▶ New generation bandsaw blade
- ▶ Teeth tips hardened to 69 HRC (1000 HV)
- ▶ Increased abrasion resistance
- ▶ Extremely high heat resistance that allows cutting at high temperatures
- ▶ Extended period of efficient exploitation thanks to increased fatigue resistance

width [mm]	thickness [mm]	tooth pitch			
		0.8/1.3	1.3/2.0	2/3	3/4
41	1.3		■	■	■
54	1.6	■	■	■	
67	1.6	■	■		
80	1.6	■	■		