

BAND SAW BLADES FOR METAL

HIGH
PERFORMANCE

TAJFUN BEST CUT M51

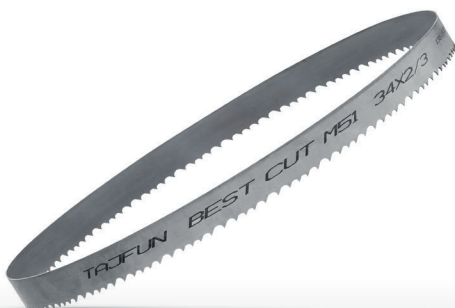
- Made from **M51 bi-metal steel**, combination of increased amount of cobalt and powder steel technology
- Resistant to high temperatures and wear
- Greater cutting efficiency in hard-to-cut steels
- Faster and longer cutting
- Used for materials of increased hardness: hard-to-hard steel and stainless steel plates, solid round material, solid material

TAJFUN PROFIL CUT M42

- Made from **M42 bi-metal steel**
- Provide excellent performance during cutting shapes of pipes and structural of different profiles
- Specifically designed tooth profile enable cutting hard materials
- Used for: steel and closed profiles, round, square, thin-walled and thick-walled pipes, anles

TAJFUN OPTI CUT M42

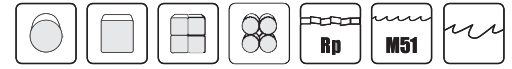
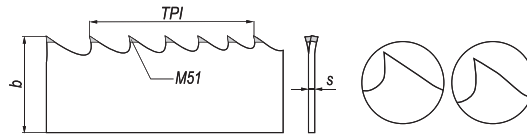
- Made from **M42 bi-metal steel**
- Designed for cutting large and medium-sized solid elements
- Used for: structural steel, carbon steel, low-alloy steel, aluminium, copper, brass



TAJFUN BEST CUT M51



1.1
1.2 2.1 3.1
1.3 2.2 3.2



Dimensions

b x s		TPI [teeth per inch]							
[mm]	[inch]	10/14	8/12	6/10	5/8	4/6	3/4	2/3	1,5/2
27 x 0,9	1 x .035	✓	✓	✓	✓	✓	✓	✓	
34 x 1,1	1-1/4 x .042		✓		✓	✓	✓	✓	
41 x 1,3	1-1/2 x .050					✓	✓	✓	✓

Selection of tooth pitch-solid materials

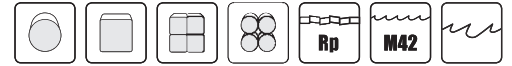
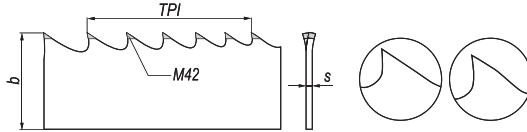
D [mm]	5÷10	10÷20	20÷30	30÷50	50÷80	80÷140	140÷250	> 250
TPI	10/14	8/12	6/10	5/8	4/6	3/4	2/3	1,5/2

D - dimension of cut materials

TAJFUN OPTI CUT M42



1.1 3.1
1.2 3.2



Dimensions

b x s		TPI [teeth per inch]									
[mm]	[inch]	14/18	10/14	8/12	6/10	5/8	4/6	3/4	2/3	1,5/2	1,1/1,4*
13 x 0,65	1/2 x .025	✓	✓	✓	✓						
20 x 0,9	3/4 x .035		✓	✓	✓	✓	✓	✓			
27 x 0,9	1 x .035		✓	✓	✓	✓	✓	✓			
34 x 1,1	1-1/4 x .042			✓	✓	✓	✓	✓	✓		
41 x 1,3	1-1/2 x .050					✓	✓	✓	✓	✓	
54 x 1,3	2 x .050							✓	✓		
54 x 1,6	2 x .063							✓	✓	✓	
67 x 1,6	2-5/8 x .063										✓

* for special order

Selection of tooth pitch-solid materials

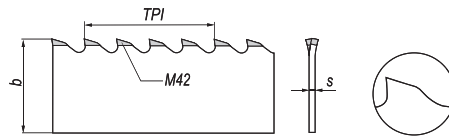
D [mm]	< 5	5÷10	10÷20	20÷30	30÷50	50÷80	80÷140	140÷250	> 250
TPI	14/18	10/14	8/12	6/10	5/8	4/6	3/4	2/3	1,5/2 / 1,1/1,4

D - dimension of cut materials

TAJFUN PROFIL CUT M42



1.1 3.1
1.2 3.2



Dimensions

b x s		TPI [teeth per inch]			
[mm]	[inch]	8/11	5/7	4/6	3/4
27 x 0,9	1 x .035	✓	✓	✓	✓
34 x 1,1	1-1/4 x .042	✓	✓	✓	✓
41 x 1,3	1-1/2 x .050			✓	✓

* for special order

Conditions of operation

MACHINED MATERIAL		Cutting speed [m/min]	Cooling [%]	Tension [MPa]
1	1.1 Unalloyed steels	50 ÷ 70		
	1.2 Unalloyed and alloyed steels	30 ÷ 50		250
	1.3 Alloyed steels	20 ÷ 30	3	
2	2.1 Stainless and acid resistant steels	20 ÷ 30	10	250
	2.2 Stainless and acid resistant steels with higher content of chrom and nickel			
3	3.1 Grey cast iron	20 ÷ 30	dry	250
	3.2 Spheroidal cast iron, malleable cast iron			

Break-in saw ~ 15 min

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