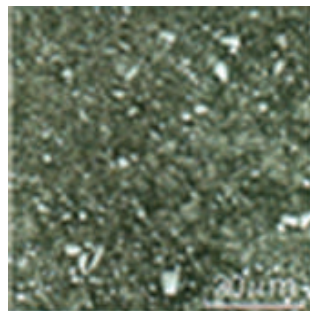
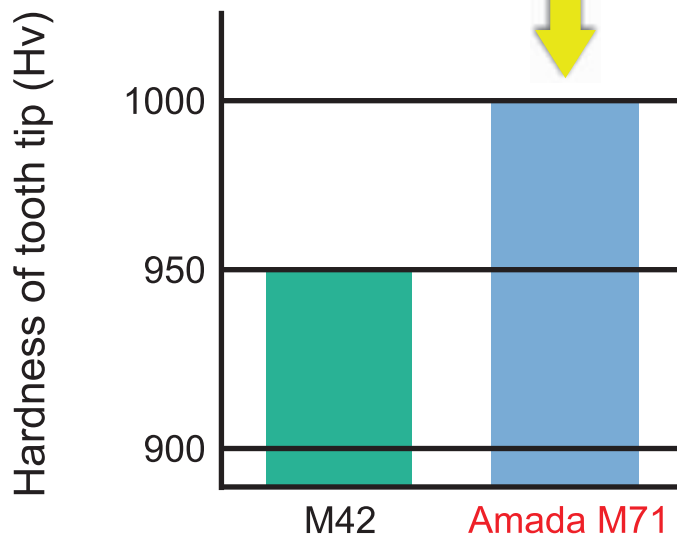
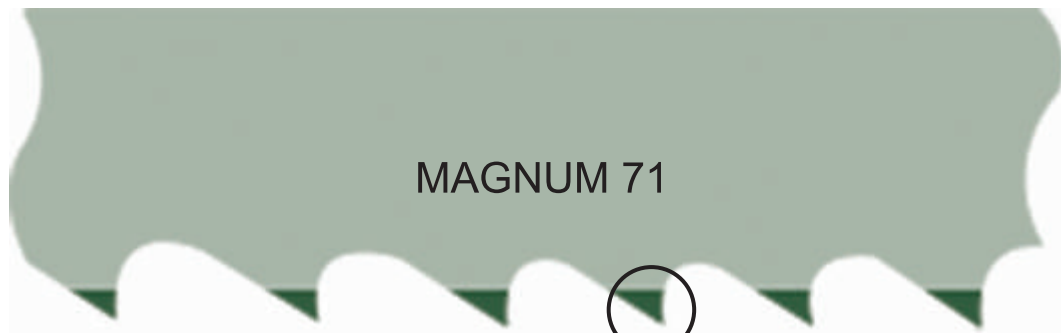
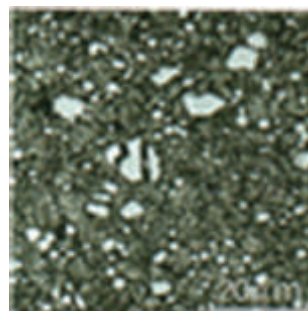


# Magnum 71



M42



Amada M71


Metallographic picture of edge material





## Features

### *What is Amada's newly developed steel, M71 high-speed steel?*

- M71 high-speed steel is the highest grade high-speed steel developed jointly by Amada and one of the major steel manufacturers. By using the alloy design based on the unique metallurgy, Hv 1000 hardness (the highest value for the ingot steel) was achieved. In the background of this development lies a concept reverse to the conventional one, i.e., to cut the huge carbide of the material to be cut with the huge carbide contained in the edge material.
- Wear of the tooth tip was reduced as compared with the conventional M42 and thus the services life of the blade became much longer.
- Particularly suitable for tool steel, stainless steel, super heat resisting alloy, etc. of small or medium diameter.

## Applicability

 = Break-in area/1000 cm<sup>2</sup>

Mild steel, Non-ferrous metal			Tool steel Prehardened steel			Hot work die steel, Stainless Steel			Super heat resisting alloy		
Small ~100mm	Medium 100 ~400mm	Large 400mm~	Small ~100mm	Medium 100 ~400mm	Large 400mm~	Small ~100mm	Medium 100 ~400mm	Large 400mm~	Small ~100mm	Medium 100 ~400mm	Large 400mm~
●	●	●	●	●	●	●	●	●	●	●	●
■	■	■	■	■	■	■	■	■	■	■	■
											
<ul style="list-style-type: none"> <li>• 50, 55, A, B, C, D,</li> <li>• 1005-1095, 1513-1536</li> <li>• 1541-1572, • 5015-5150</li> <li>• 4118-4161 • 1330-1345</li> <li>• 3115-3315</li> <li>• 4012-4047, 4419, 4422, 4427</li> <li>• 4615-4626, 4815-4820</li> <li>• 4320-4720, 8115-9430</li> <li>• 1108-1215 • 1100-7075</li> <li>• C10200, C12000, C21000</li> </ul>			<ul style="list-style-type: none"> <li>• W-1, W-2, W-5</li> <li>• P-2, P-3, P-4, P-5, P-6, P-20, P-21</li> <li>• S-1, S-2, S-4, S-5, S-6, S-7</li> <li>• L-2, L-6, • 5155, 5160</li> <li>• A-2, O-1, O-2, O-6, D-2, D-3, CPM 10V</li> <li>• T-1, T-2, T-3, T-4, M-1, M-2, M-5, M-15</li> <li>• 50100, 51100, 52100</li> </ul>			<ul style="list-style-type: none"> <li>• H-10, H-13, H-21, H-22, H-24, H-25</li> <li>• 210, 202, 302, 303, 304, 308</li> <li>• 314, 316, 317, 321, 330, 347</li> <li>• 410, 416, 420, 430, 440C</li> <li>• 15-5PH, 17-4PH, 15-7</li> </ul>					

## Line-up of Products

Band width (mm)	Band thickness (mm)	Pitch			
		1.1/1.5	2/3	3/4	4/6
27	0.9		●	●	●
34	1.1		●	●	
41	1.3		●	●	
54	1.6	●	●		
67	1.6	●	●		
80	1.6	●			

Note: Specifications may change without notice at the sole discretion of Amada's Engineering Department.



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