

# PROTECTOR M42

Wear resistance

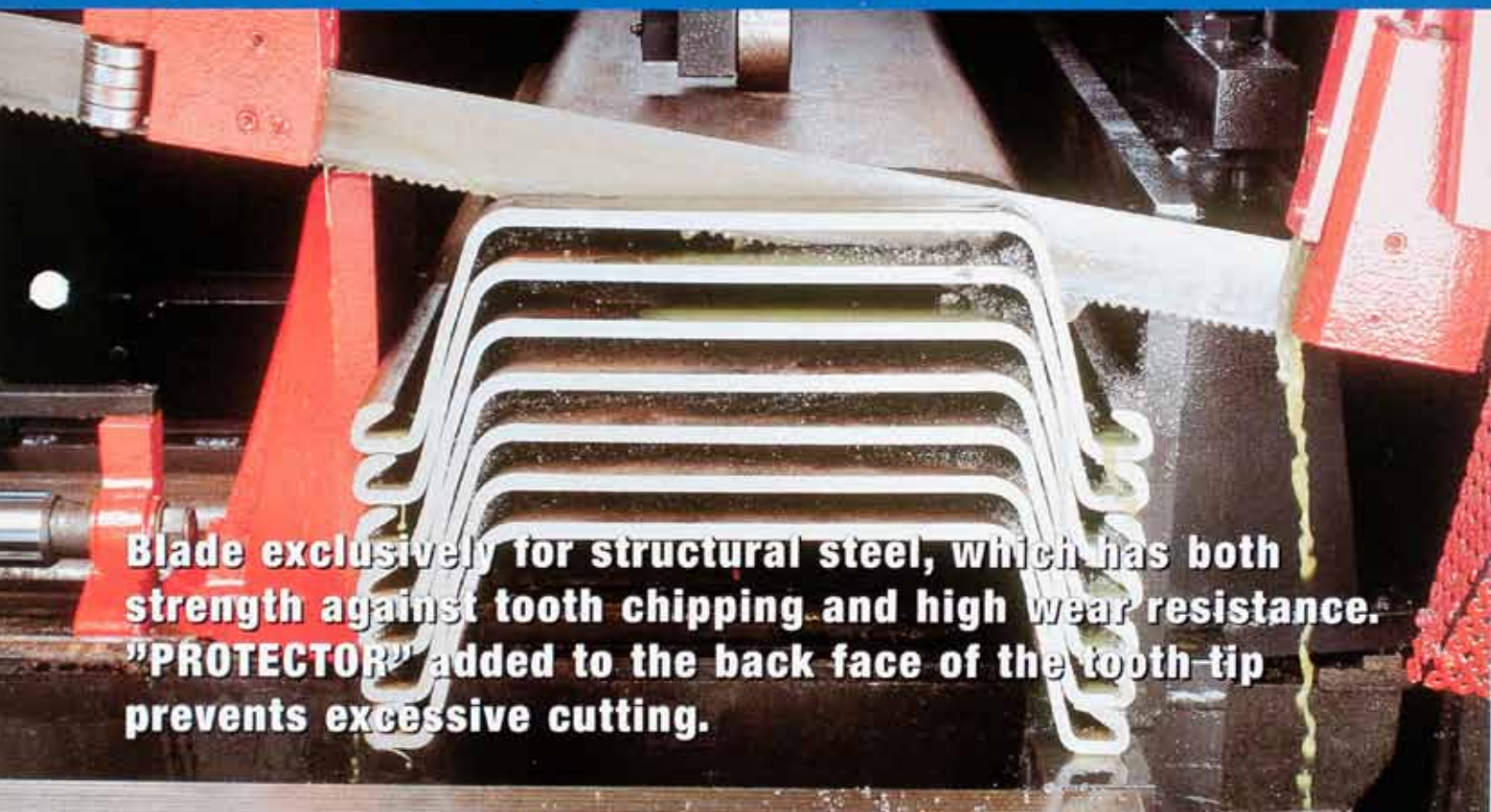


Chipping resistance



Edge material: M42 Cobalt high-speed steel

Hardness : Hv 950



**Blade exclusively for structural steel, which has both strength against tooth chipping and high wear resistance. "PROTECTOR" added to the back face of the tooth-tip prevents excessive cutting.**

## Applicability

Break-in cutting is unnecessary

Roll formed section	Structural steel	Bundled small diameter material	Mild steel, non-ferrous metal		
Thin wall 	Thick wall 	~100 mm 	Small ~100 mm 	Medium 100-400 mm 	Large 400 mm- 
WS type: Rolled large size H-beam 					
<ul style="list-style-type: none"> <li>• A36</li> <li>• 50, 55, A, B, C, D</li> <li>• 1012, 1008</li> <li>• 30, 33, 40, 45</li> <li>• A569</li> </ul>		<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>• 4012-4047, 4419, 4427</li> </ul>	<ul style="list-style-type: none"> <li>• 3115-3315</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>		

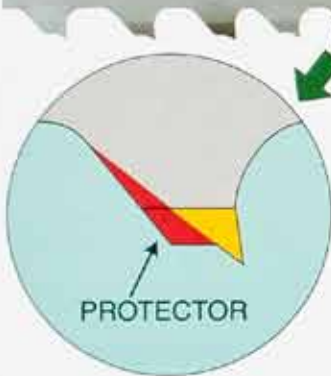
## Features

If you are troubled with chipping and stripping of the tooth at present, use of "PROTECTOR" is strongly recommended.

We are convinced that it would meet your expectation.



Continuous chipping that occurs with the conventional blade is eliminated.



- "PROTECTOR" added on the back face of the tooth tip suppresses excessive cutting and prevents continuous chipping from occurring.
- As the tooth tip is made stronger, it endures impacts caused during intermittent cutting. At the same time, high cutting efficiency is assured.
- Break-in cutting is unnecessary due to special processing with "PROTECTOR".
- "PROTECTOR" is an innovative blade successfully developed with an emphasis placed on measures against chipping and stripping of the tooth while cutting such material as structural steel which vibrates a lot.

## Line-up of products

Band width (mm)	Band thickness (mm)	Pitch							
		2/3	2/3 WS	3/4	3/4 WS	4/6	5/7	6/10	10/14
27	0.9			●		●	●	●	●
34	1.1			●		●			
41	1.3	○	○	●	○	●			
54	1.3			○					
	1.6	○	○	●	○	○			

Note 1) When a roll formed large size H-beam is cut, a pinching symptom may occur in some cases where the blade is caught by the material being cut. In order to prevent such a symptom, please use the WS (wide set) type of "PROTECTOR M42". The WS type of "PROTECTOR M42" is more reinforced with respect to prevention of pinching than the WS type of any other conventional blade model.

Note 2) ● More available for responding to your immediate order.

Printed on recycled and recyclable paper • All specifications subject to change without notice