

# PROTECTOR II

HSS Bi-Metal Band Saw Blade

Edge material: M42 Cobalt HSS

Hardness: 950 HV

【Wear resistance】



【Chipping resistance】



Blades engineered for dedicated cutting of structural steels, producing smoother cut surfaces, reduced burrs and extended blade life.

AMADA® PROTECTOR II 3/4P WS 01234567 MADE IN JAPAN

The “Protector” tooth form prevents tooth damage, limiting excessive chip formation, even at higher feed rates.

## Application materials

Break-in cutting is not necessary.

Roll-formed section steel			Structural steel			Bundled small diameter material	Mild steels, Non ferrous metal		
Thin wall	C-shaped	Deck plate	Thick wall	H-beam	Channel	~100mm ~4in	~100mm ~4in	100~400mm ~4in	400mm~ 16in~
			WS type: Roll-formed 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, 21000</li> </ul>		

## Selecting the tooth pitch

	200	300	400	500	600	700	800	900	mm
	8"	12"	16"	20"	24"	28"	32"	36"	inch
4/6P									
			3/4P						
								2/3P	



## ■ Features

### Design Features Inherited From Existing Protector Products

PROTECTOR II Integrates the robust blade design standards and features, highly effective at preventing tooth damage or loss; due to excessive vibration, pinching, and interrupted cutting associated with cutting structural steel materials .

#### • PROTECTION FROM TOOTH CHIPPING

The “protector” located on the relief face of tooth, reinforces the tooth tip, preventing excessive cutting, and tooth damage or loss. Producing superior high cutting efficiency.

#### • ELIMINATION OF BREAK-IN CUTTING

On the PROTECTOR series a special treatment of the cutting surfaces, eliminates the need for blade break-in. This blade can be run using normal cutting parameters from beginning.

### New Features

#### ① New Tooth Set Patterns & Shape

Decreased burr formation.

Reduced time spent deburring parts after cutting completed.

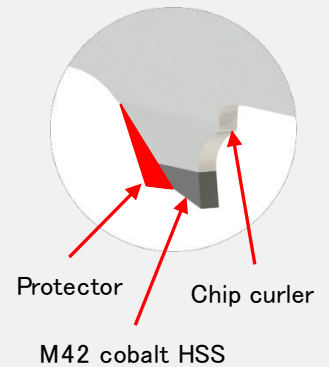
#### ② M42 High Speed Steel Edge and Chip Curler Tooth Form

Improved blade life, M42 HSS edge resist heat and abrasion.

Chip Curler improves chip removal and reduces impact on the bottom of the gullet, **improving blade life and cut finish.**

#### ③ Coating Options

High-speed cutting and longer blade life by EXCOAT-DP. Excellent performance in oil mist environments.



## ■ Lineup of Products

Band width		Blade thickness		Pitch(TPI)		
mm	inch	mm	inch	2 / 3	3 / 4	4 / 6
27	1"	0.9	0.035"		●	●
34	1 1/4"	1.1	0.042"		●	●
41	1 1/2"	1.3	0.050"	▲/WS▲	●/WS●	●
54	2"	1.3	0.050"		▲/WS▲	
		1.6	0.063"	▲/WS●	●/WS●	●
67	2 5/8"	1.6	0.063"	▲/WS●	●/WS●	

Legend symbol

● : Standard item ▲ : Special order required

WS● : Wide set specification available (extra-wide setting width for preventing pinching of the saw blade, during the sawing process WS▲ : wide set specification special order required

Highlighted Products : EXCOAT-DP coating specification available (special order required)

※ Specifications and appearance are subject to change without prior notice for improvement.

※ The specifications in this leaflet are for domestic use.

©AMADA MACHINE TOOLS CO., LTD. All Rights Reserved.



Before using this product, please read the operator's manual of machine carefully and follow all applicable instructions

## AMADA MACHINERY CO., LTD.

〒259-1196 神奈川県伊勢原市石田200

TEL (0463)96-3351 (代)

www.amc.amada.co.jp

アマダ本社は、環境マネジメントシステム  
ISO14001 : 2004の認証取得事業所です。

