

# SGLB

Wear resistance



Chipping resistance



Edge material: M42 Cobalt high-speed steel

Hardness : Hv 950

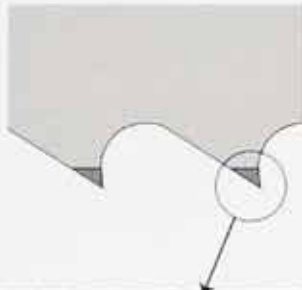
**Amada's best seller blade applicable to all types of steel, using M 42 cobalt high-speed steel which has high wear resistance.**

## Applicability

● Break-in area / 1000 mm

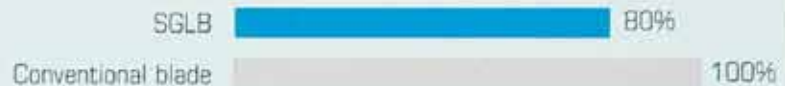
Structural steel	Bundled small diameter material	Mild steel, Non-ferrous metal			Tool steel, Prehardened steel			Hot work die steel, Stainless steel			Super heat resisting alloy		
Thick wall H-beam	~100mm	Small ~100 mm	Medium 100-400 mm	Large 400 mm	Small ~100 mm	Medium 100-400 mm	Large 400 mm	Small ~100 mm	Medium 100-400 mm	Large 400 mm	Small ~100 mm	Medium 100-400 mm	Large 400 mm
<ul style="list-style-type: none"> <li>• A36</li> <li>• 30, 33, 40, 45, 50, 55</li> <li>• 1005-1095, 1513-1536</li> <li>• 5015-5150</li> <li>• 3115-3315</li> <li>• 4615-4626, 4815-4820</li> <li>• 4320-4720, 8115-9430</li> <li>• 1108-12-15</li> <li>• C10200, C12000, C21000</li> </ul>	<ul style="list-style-type: none"> <li>• 50, 55, A, B, C, D</li> <li>• 4118-4161</li> <li>• 4012-4047, 4419, 4422, 4427</li> <li>• 4815-4820</li> <li>• 1100-7075</li> </ul>	<ul style="list-style-type: none"> <li>• 1012, 1008</li> <li>• A569</li> <li>• 1541-1572</li> <li>• 1330-1345</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</li> <li>• 5155, 5160</li> <li>• A-2, 0-1, 0-2, 0-6, D-2, D-3, CPM 10V</li> <li>• T-1, T-2, T-3, T-4, M-1, M-2, M-5, M15</li> <li>• 50100, 51100, 52100</li> </ul>	<ul style="list-style-type: none"> <li>• H-10, H-13, H-21, H22, 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>	<ul style="list-style-type: none"> <li>• 309, 409, 600</li> <li>• MONEL, K-MONEL, INCONEL718, HASTELLOY A, B, C</li> <li>• A286, INCOLOY 800, RA330</li> <li>• ASTROLOY WF-11</li> <li>• MONEL400, K-500</li> <li>• Ti-6Al-4V</li> </ul>								

## Features



Metallographic picture of edge material (M42 HSS)

**Wear comparison when cutting 400mm diameter, D2 material  
(with that of the conventional blade deemed as 100%)**



- Use of M42 cobalt, high-speed steel which provides high wear resistance.
- Most widely usable blade developed with Amada's unique heat treatment technology while making the best use of the capacity of the material itself.
- Applicable to materials of wide range from the general steel to hard-to-cut material, particularly suitable for the solid material.
- "SGLB" has the fullest line-up of all Amada's blades, all kinds of materials can be cut.

**Most steel can be cut with high efficiency with "SGLB".**

## Line-up of products

Band width (mm)	Band thickness (mm)	Pitch							
		1.1/1.5	2/3	3/4	4/6	5/7	6/10	8/12	10/14
19	0.9				○		○	○	○
27	0.9		●	●	●	●	●	●	○
34	1.1		●	●	●	●	○	○	
41	1.3		●	●	●	○			
54	1.3	○	●	●					
	1.6	●	●	●	○				
67	1.6	●	●	○					

Note 1) ● More available for responding to your immediate order.

Note 2) A small quantity of regular tooth pitch blades are produced also. Please contact our sales personnel if you require.

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

