

PROFESSIONAL BAND SAW BLADES

The Professionals' Edge™



www.simondsinternational.com

SIMONDS
INTERNATIONAL

Headquarters

World Wide Headquarters

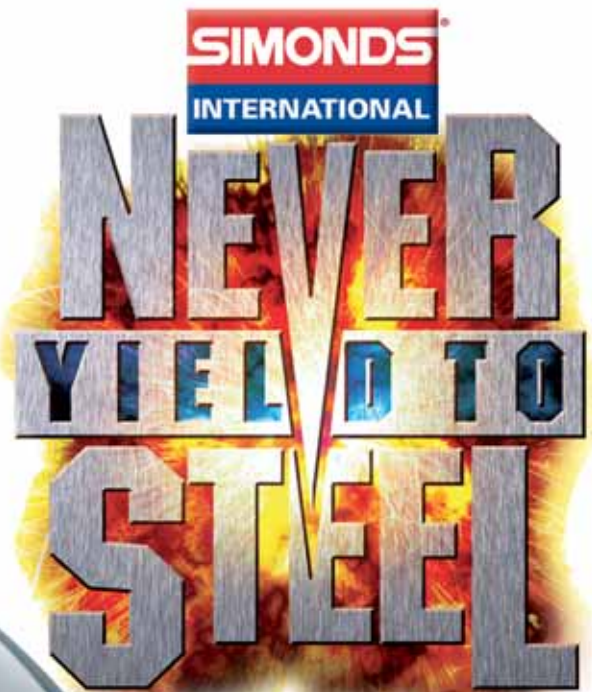
135 Intervale Road • P.O. Box 500

Fitchburg, MA 01420

Tel: (978) 424-0100 • Fax: (978) 424-2212

Call us Toll-Free at: 1-800-343-1616

E-mail simondsint@simonds.com



Portland, Oregon. USA

Florence, SC. USA

Santa Fe Springs, CA. USA

Big Rapids, MI. USA

Farmers Branch, TX. USA

Camden, AL. USA

Gnadenhutten, OH. USA

Springfield, OR. USA

Leon-Hamel Granby, QC. CANADA

Langley, BC. CANADA

Sheffield, England

Melsungen-Adelshausen, Germany

Latin America

Barcelona, Spain

Shanghai, China

Singapore

Table of Contents



BANDSAW PRODUCTS

CARBIDE

Triple Chip	4
Carbide Set Tooth	5
20° Negative Rake	5

BI-METAL

BlockBuster®	6
BroadbBand®	7
DieBand Plus®	7
SiClone®	8
IC Enduro™	8
Red Streak®	9

CARBON / CARBIDE

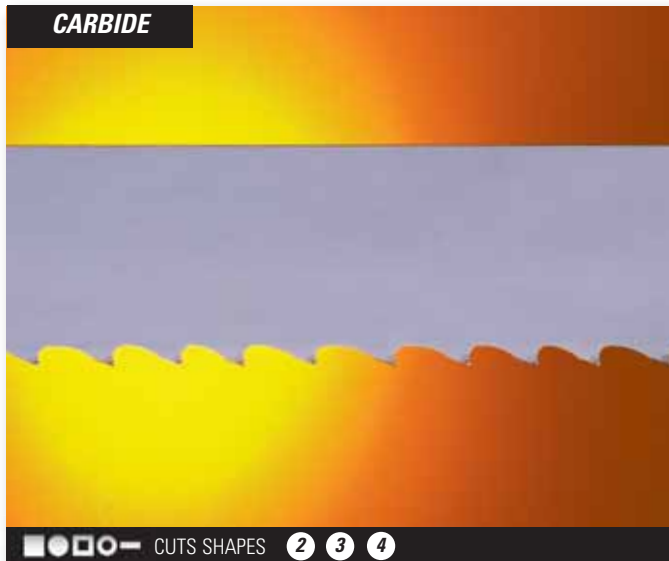
WoodMax	10
HardBack	10
FlexBack	11
Type I	11

Workpiece Material Groups

These material Groups will be indicated for each Simonds product to optimize your blade selection.

- 1** Construction Steel
- 2** Tool Steel
- 3** Stainless
- 4** Alloys
- 5** Non Ferrous

Triple Chip



Triple Chip is ideal for cutting applications requiring smooth surface finish and high production rates.

Applications

Production cutting operations, steel service centres, aerospace and forging houses.

Materials

High nickel alloys, titanium, Inconel and other exotic materials.

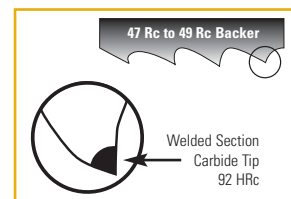
Features and Benefits

- Carbide tipped teeth increase wear resistance cutting high temperature alloys
- Triple Chip geometry provides smoother surface finish
- Positive rake angle allows faster penetration for high production cutting
- Plastic capping protects teeth against damage in transit and handling



	1/2x .035 13 x 0.9 150'/45m	3/4"x .035 19 x 0.9 150'/45m	1" x .042 27 x 1.1 150'/45m	1-1/4" x .042 34 x 1.1 150'/45m	1-1/2" x .055 41 x 1.4 150'/45m	2" x .062 54 x 1.6 150'/45m	2-5/8" x .062 67 x 1.6 150'/45m	3-1/8" x .062 80 x 1.6 150'/45m
Triple Chip								
3 TPI	•	•	•	•				
2.5-3.5 TPI		•	•	•	•	•	•	
2-3 TPI					•	•		
1.9-2.1 TPI				•	•	•		
1.4-1.8 TPI					•	•	•	
.9-1.1 TPI						•	•	•

Coils shown as 150'/45 lengths. May also be shipped in random lengths. Also available in welded-to-length and SineWave®.





Carbide Set Tooth



Applications

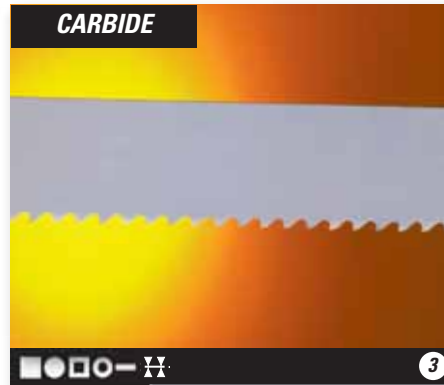
Production cutting operations, steel service centres, foundries, aerospace and forging houses.

Materials

High nickel alloys, titanium, aluminum, bronze, Inconel and other exotic materials.

Features and Benefits

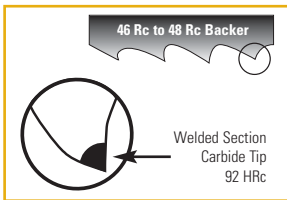
- Positive rake angle provides aggressive tooth geometry for faster cutting and increased production
- Raker tooth set ensures straighter cuts
- Plastic capping prevents tooth damage during shipping and handling



Carbide Set Tooth is great for cutting high temperature alloys. Specialty blades also available for non-ferrous foundries.

Carbide Set Tooth	3/4" x .035 19 x .0.9 250'/76m	1" x .035 27 x 0.9 150'/45m	1" x .042 27 x 1.1 150'/45m	1-1/4" x .042 34 x 1.1 150'/45m	1-1/2" x .055 41 x 1.4 150'/45m	2" x .062 54 x 1.6 150'/45m	2-5/8" x .062 67 x 1.6 150'/45m	3-1/8" x .062 80 x 1.6 150'/45m
6 TPI		•						
4 TPI	••	••	••	••	•			
3 TPI		••						
3 TPI VariSet [†]					•	•	•	•
2 TPI					•	•		

*Designed for Foundry Use. [†]3 TPI VariSet is available in 150'/45m coil length. Coils shown as 150'/45m and 250'/76m lengths. May also be shipped in random lengths. Also available in welded-to-length and SineWave[®].



20° Negative Rake

Applications

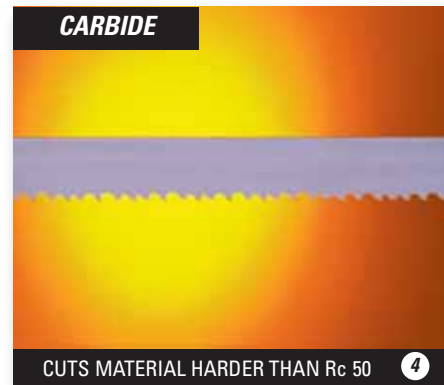
For cutting hardened materials up to 65 Rc on power feed saws when machinability is a problem.

Materials

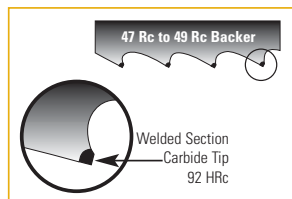
Heavy chromed shafts, induction hardened shafts, linear bearing shafts.

Features and Benefits

- Negative tooth tip rake angle provides greater tip strength able to penetrate high hard materials and surface coatings
- Plastic capping protects teeth against damage in transit and handling



20° Negative Rake Carbide Tipped bands make short work of the hardest materials.



20° Negative	1-1/4" x .042 34 x 1.141 x 1.4 150'/45m	1-1/2" x .055 54 x 1.6 150'/45m	2" x .062 150'/45m
2.5 - 3.5 TPI	•	•	•

Coils shown as 150'/45m lengths. May also be shipped in random lengths. Also available in welded-to-length.



BlockBuster®



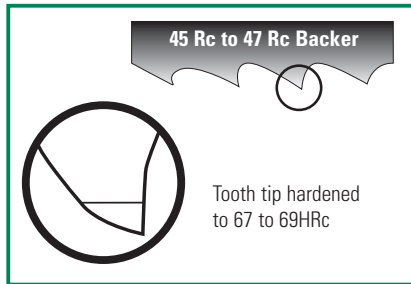
New BlockBuster® M42 bandsaw blades are designed for high-production cutting applications where cut accuracy and blade life are the most critical factors.

Applications

Production and general purpose cutting in steel service centres.

Materials

Carbon steel, chrome steel, tool steel, die steel, stainless steel, and nickel base alloys.



Features and Benefits

- Designed for constant feed and pressure machines – user friendly blade
- Unique tooth geometry prolongs blade life and minimizes work hardening
- 8% cobalt high speed wire electronically welded to premium backer improves performance
- Oversized width improves beam strength for longer blade life
- Plastic capping protects blade quality during transit and handling

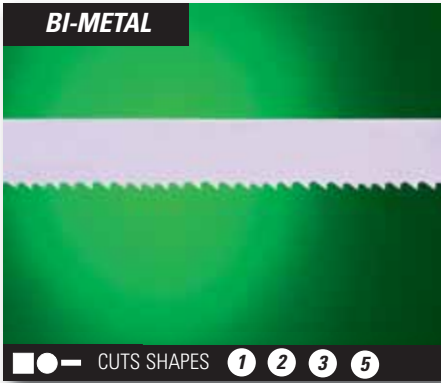
BlockBuster	1-1/4" x .042 34 x 1.1 250'/76m	1-1/2" x .050 41 x 1.3 250'/76m	2" x .050 54 x 1.3 150'/45m	2" x .062 54 x 1.6 150'/45m	2-5/8" x .062 67 x 1.6 150'/45m	3-1/8" x .062 80 x 1.6 150'/45m
5-8 TPI		GT				
4-6 TPI		GT	GT	GT	GT	
3-4 TPI	GT	GT	GT	GT	GT	
2-3 TPI	GT	GT	GT	GT	GT	
1.5-1.9 TPI		GT	GT	GT	GT	GT
1.1-1.4 TPI				GT	GT	GT
.8-1.0 TPI				GT	GT	GT

Coils shown as 150'/45m and 250'/76m lengths. May also be shipped in random lengths. All items are available welded-to-length and in SineWave®.





BroadBand®



The BroadBand® bandsaw blade is an all-purpose high-quality blade, well suited for cutting a wide range of alloys.

Applications

Steel service centres, medium and large manufacturers, fabricators, maintenance shops, job shops, tool & die shops.

Materials

Carbon steel, chrome steel, tool steel, die steel, stainless steel, nickel base steel, structurals, pipe and tube, and mixed metal applications.

Broadband®	3/4" x .035 19 x 0.9 250'/76m	1" x .035 27 x 0.9 250'/76m	1-1/4" x .042 34 x 1.1 250'/76m
10-14 TPI	•	•	
8-12 TPI		•	
6-10 TPI	•	•	
5-8 TPI	•	•	•
4-6 TPI	•	•	•
3-4 TPI		•	•
2-3 TPI		•	•

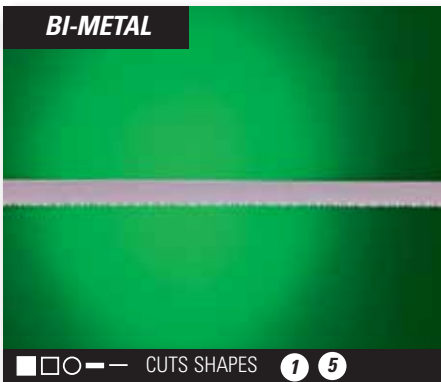
Coils shown as 250'/76m lengths. May also be shipped in random lengths. All items are available welded-to-length and in SineWave®.

Features and Benefits

- M42 high speed edge improves wear resistance
- Oversized blade width increases beam strength
- Patented tooth geometries provide optimum cutting performance across a wide array of applications and materials
- Plastic capping protects teeth against damage in transit and handling (1" and wider)



DieBand Plus®



DieBand Plus® is an M42 product developed specifically for toolrooms and machine shops where contour cutting is the norm.

Applications

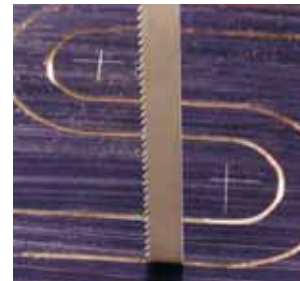
Tool and die makers.

Materials

Tool and die steels.

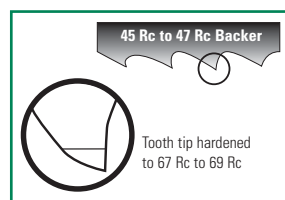
Features and Benefits

- Bi-metal construction means longer life and lower cost per cut than carbon blades
- M42 high-speed steel edge provides high wear resistance for longer life
- Tempered alloy backer results in longer life for contour cutting



DieBand Plus	1/4" x .035 6 x 0.9 100'/30m	3/8" x .035 10 x 0.9 100'/30m	1/2" x .025 13 x 0.6 250'/76m	1/2" x .035 13 x 0.9 250'/76m
14 TPI	•	•		
10-14 TPI			•	•
10 TPI	•	•		
8-12 TPI			•	•
6-10 TPI			•	•
6 TPI Sabre	•	•		
4 TPI Sabre		•		•

Coils shown as 100'/30m and 250'/76m lengths. May also be shipped in random lengths. Also available in welded-to-length.



SiClone®

Ground tooth



■ ● — CUTS SHAPES 2 3 4

The SiClone® bandsaw blade is ideal for cutting exotic alloys.

SiClone	1" x .035 27 x 0.9 250'/76m	1-1/4" x .042 34 x 1.1 250'/76m	1-1/2" x .050 41 x 1.3 250'/76m	2" x .062 54 x 1.6 150'/45m	2-5/8" x .062 67 x 1.6 150'/45m	3-1/8" x .062 80 x 1.6 150'/45m
4-6 TPI	•	•				
3-4 TPI	•	GT	GT	GT		
2-3 TPI		GT	GT	GT		
1.5-1.9 TPI			GT	GT	GT	
1.1-1.4 TPI				GT	GT	
0.7-0.9 TPI					GT	GT

Coils shown as 150'/45m and 250'/76m lengths. May also be shipped in random lengths. Also available in welded-to-length. Width 80mm with toothpitch 0.7-0.9 TPI. GT: Ground Tooth

Applications

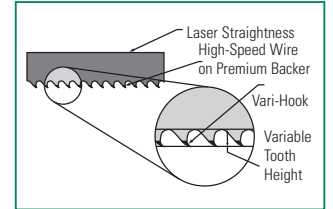
Steel service centres, production cutting.

Materials

Inconel, D2, stainless steel, Monel, other exotic alloys.

Features and Benefits

- Designed for constant feed and pressure machines – user friendly blade
- Unique tooth geometry prolongs blade life and minimizes work hardening
- 8% cobalt high speed wire electronically welded to premium backer improves performance
- Oversized width improves beam strength for longer blade life
- Plastic capping protects blade quality during transit and handling



IC Enduro™

New design



IC Enduro™ is designed for cutting bundle solids, structurals and tubes. It can handle even large cross section structurals while avoiding blade pinching during the cut.

IC Enduro™	3/4" x .035 19 x 0.9 250'/76m	1" x .035 27 x 0.9 250'/76m	1-1/4" x .042 34 x 1.1 250'/76m	1-1/2" x .050 41 x 1.3 250'/76m	2" x .062 54 x 1.6 150'/45m	2-5/8" x .062 67 x 1.6 150'/45m	3-1/8" x .062 80 x 1.6 150'/45m
5-8 TPI	•	•	•	•			
4-6 TPI	•	•	•	•	•		
3-4 TPI		•	•	•	•	•	•
2-3 TPI			•	•	•		

Coils shown as 150'/45m and 250'/76m lengths. May also be shipped in random lengths. Also available in welded-to-length. Width 80mm with toothpitch only 3-4 TPI. 3/4" blades do not come with plastic capping.

Applications

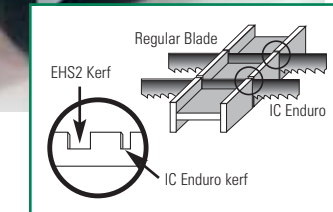
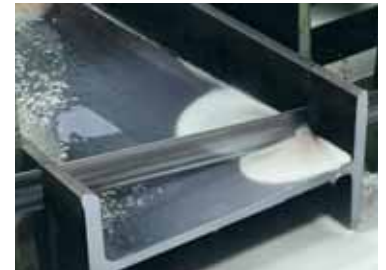
Fabricators, steel service centers, job shops, machine shops and production cutting houses.

Materials

Bundles, solids, tubes and structurals, including large cross-section "H" beams and "I" beams.

Features and Benefits

- Ground tooth technology provides a smoother finish and longer blade life
- Robust tooth geometry produces faster cutting rates and increases productivity
- 8% cobalt high-speed wire increases blade durability
- Proprietary heat treat minimizes tooth chipping and improves blade flex life
- Plastic capping reduces tooth tip damage during transit and handling



Red Streak®



Applications

Pallet assembly and dismantling, portable sawmills, vertical and horizontal resaws

Materials

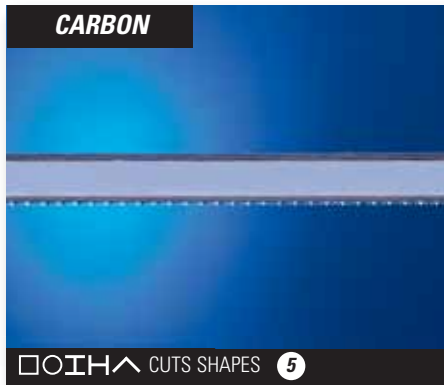
Hardwoods, softwoods and laminates

Features and Benefits

- Affordable, high-quality resharpenable blade
- Heavy set for longer run times
- PlyBand features extreme heavy set for radius cutting



FlexBack



FlexBack is a versatile, low cost carbon blade.

FlexBack	1/8" x .025 3 x 0.6 100'/30m	3/16" x .025 5 x 0.6 100'/30m	1/4" x .025 6 x 0.6 250'/76m	3/8" x .025 10 x 0.6 250'/76m	1/2" x .025 13 x 0.6 250'/76m	5/8" x .032 16 x 0.8 250'/76m	3/4" x .032 19 x 0.8 250'/76m	1" x .035 27 x 0.9 250'/76m	1-1/4" x .042 34 x 1.1 250'/76m
24 TPI Wavy			•						
18 TPI Reg.	•		•	•	•		•		
14 TPI Reg.	•	•	•	•	•	•	•	•	
14 TPI Wavy					•				
10 TPI Reg.		•	•	•	•		•	•	
8 TPI Reg.							•	•	
6 TPI Reg.					•		•	•	
6 TPI Sabre			•	•	•		•		
4 TPI Reg.								•	
4 TPI Sabre			•	•	•				
4 TPI Skip			•	•	•				
3 TPI Sabre				•	•		•	•	
2 TPI Sabre							•		
1.33 TPI Sabre									•

Note: All 1/4", 3/8" and 1/2" specifications are also available in 100'/30m coil length. All specifications shown may also be shipped in random lengths or 500' coils on special order. Also available in welded-to-length.

Applications

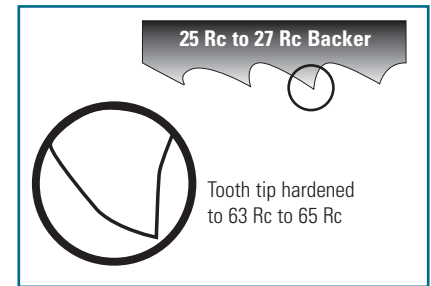
Maintenance shops, small foundries and job shops.

Materials

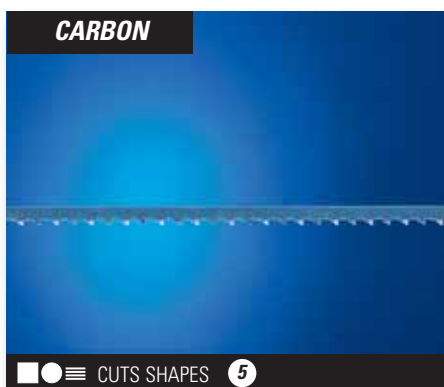
Aluminum, brass, lead, wood and plastic.

Features and Benefits

- Hardened tooth tip prolongs cutting edge life
- Flexible back extends the flex life of the blade
- Raker set provides straighter cuts



WoodMax



WoodMax is ideal for furniture, cabinet and wood-working operations.

WoodMax	1/4" x .025 6 x 0.6 250'/76m	1/4" x .032 6 x 0.8 250'/76m	3/8" x .025 10 x 0.6 250'/76m	3/8" x .032 10 x 0.8 250'/76m	1/2" x .025 13 x 0.6 250'/76m	1/2" x .032 13 x 0.8 250'/76m
6 Sabre Multiple Set	•		•		•	
4 Sabre Multiple Set	•		•		•	
4 Sabre ETS		•		•		•
3 Sabre Multiple Set			•		•	
3 Sabre ETS				•		•
2 Sabre Multiple Set						
2 Sabre ETS				•		

Applications

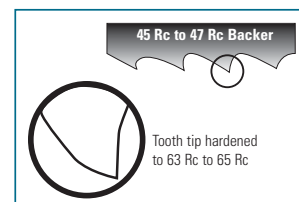
Furniture factories, cabinet shops and woodworking shops.

Materials

All softwoods and hardwoods including oak, maple, mahogany and hickory.

Features and Benefits

- Precision set provides smoother surface finish
- Positive rake angle facilitates tooth penetration for faster cuts
- Larger gullets improve chip removal for faster cuts
- Available in .032 thickness for improved band stiffness





HardBack

Applications

Maintenance, production shops and job shops.

Materials

Mild steel, aluminum, brass, wood and plastic.

Features and Benefits

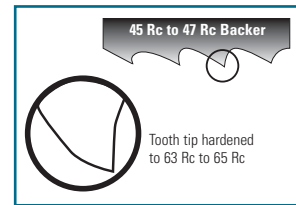
- Spring-tempered back increases beam strength for straighter, faster cuts and longer life
- Hardened tooth tip improves tooth tip wear resistance



HardBack offers enhanced performance over FlexBack through improved beam strength.

HardBack	1/4" x .025 6 x 0.6 250'/76m	3/8" x .025 10 x 0.6 250'/76m	1/2" x .025 13 x 0.6 250'/76m	3/4" x .032 19 x 0.8 250'/76m	1" x .035 27 x 0.9 250'/76m
24 TPI Wavy			•		
18 TPI Reg.		•	•		
14 TPI Reg.	•	•	•	•	•
14 TPI Wavy				•	
10 TPI Reg.	•	•	•	•	•
10 TPI Wavy				•	
8 TPI Reg.			•	•	•
6 TPI Reg.			•	•	•
6 TPI Sabre	•	•	•		
4 TPI Sabre	•	•	•		•
3 TPI Sabre			•	•	•
2 TPI Sabre EHS				•	
2 TPI Sabre					•

Note: All 1/4", 3/8" and 1/2" specifications are also available in 100'/30m coil length. All specifications shown may also be shipped in random lengths or 500'/152m coils on special order. Also available in welded-to-length.



Type I



Applications

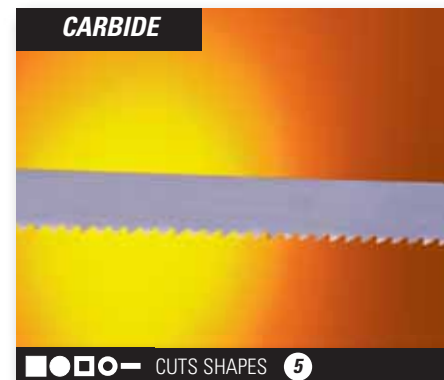
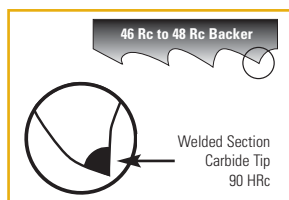
Pattern shops, maintenance and machine shops, furniture manufacturers and plastic fabricators.

Materials

Non-ferrous metals, plastics, abrasive woods, masonite, composites, transite and cast iron.

Features and Benefits

- Customized tooth geometry provides longer lasting cutting edge
- Type I Carbide provides a shock resistant cutting edge
- Plastic capping protects teeth against damage in transit and handling



The Type I Carbide Tipped blade has excellent wear resistance characteristics for cutting abrasive materials.

Type I	3/8" x .025 10 x 0.6 150'/45m	1/2" x .025 13 x 0.6 150'/45m	3/4" x .035 19 x 0.9 150'/45m	1" x .035 27 x 0.9 150'/45m
6 TPI		•		
4 TPI	•	•		
3 TPI		•	•	•

Coils shown as 150'/45m lengths. May also be shipped in random lengths. Also available in welded-to-length.



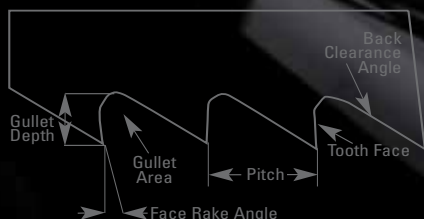
www.simondsinternational.com



SIMONDS
INTERNATIONAL

NEVER YIELD TO STEEL

- Triple Chip*
- Carbide Set Tooth*
- 20° Negative Rake*
- BlockBuster®*
- BroadBand®*
- DieBand Plus®*
- SiClone®*
- IC Enduro™*
- Red Streak®*
- WoodMax*
- HardBack*
- FlexBack*
- Type I*



GRAPHIC DESIGN · www.tentaciongraficas.com

SIMONDS
INTERNATIONAL

The Professionals' Edge™

SIMONDS INTERNATIONAL
SIMONDS INDUSTRIES LIMITED
 Unit #3, Motorway Ind Estate
 Tyler Street
 Sheffield, S9 1 DH, England
 Tel: + 44-114-2433701
 Fax: + 44-114-2433879
www.simondsinternational.com