



CARBIDE BAND SAW BLADES



SAWING FLUIDS & LUBRICANTS



BI-METAL BAND SAW BLADES

### CARBIDE PRODUCT SELECTION

#### HIGH PERFORMANCE

ALUMINUM/ NON-FERROUS	CARBON STEELS	STRUCTURAL STEELS	ALLOY STEELS	BEARING STEELS	MOLD STEELS	STAINLESS STEELS	TOOL STEELS	TITANIUM ALLOYS	NICKEL-BASED ALLOYS (INCONEL®)
EASY ← MACHINABILITY → DIFFICULT									
<b>ARMOR® CT BLACK</b> Extreme Cutting Rates									
<b>ARMOR CT GOLD</b>					<b>ARMOR CT GOLD</b> Superior Life				
<b>TNT CT®</b>					<b>TNT CT</b> Extreme Performance on Super Alloys				
<b>TRI-TECH CT™</b>					<b>TRI-TECH CT</b> Set Style Blade for Difficult to Cut Metals				
<b>TRI-MASTER®</b>					<b>TRI-MASTER</b> Versatile Carbide Tipped Blade				

#### SPECIAL APPLICATION

WOOD	COMPOSITES	ALUMINUM (Including Alum. Castings)	CASE HARDENED MATERIALS (Including IHCP Cylinder Shafts)	OTHER (Composites, Tires, etc.)
EASY ← MACHINABILITY → DIFFICULT				
<b>ALUMINUM MASTER™ CT</b> Triple Chip Tooth Design			<b>HRC®</b> Carbide Tipped Blade for Case and Through-Hardened Materials	
<b>SST CARBIDE™</b> Set Style Tooth Design			<b>TRI-MASTER®</b>	
<b>MASTER-GRIT®</b>			<b>MASTER-GRIT</b> Carbide Grit Edge Blade for Cutting Abrasive and Hardened Materials	

### CARBIDE TOOTH SELECTION

#### ARMOR CT BLACK

INCHES	WIDTH OR DIAMETER OF CUT																		
	1	2.5	3	4	5	6	7	8	10	12	13	15	17	20+					
MM	25	60	70	100	120	150	170	200	250	300	330	380	430	500+					
															0.9/1.1 TPI				
															1.4/1.6 TPI				
															1.8/2.0 TPI				
															2.5/3.4 TPI				

#### ARMOR CT GOLD

INCHES	WIDTH OR DIAMETER OF CUT																		
	1	2.5	3	4	5	6	7	8	10	12	13	15	17	20+					
MM	25	60	70	100	120	150	170	200	250	300	330	380	430	500+					
															0.6/0.8 TPI				
															0.9/1.1 TPI				
															1.4/1.6 TPI				
															1.8/2.0 TPI				
															2.5/3.4 TPI				

#### TNT CT

INCHES	WIDTH OR DIAMETER OF CUT																		
	1	2.5	3	4	5	6	7	8	10	12	13	15	17	18	20	34+			
MM	25	60	70	100	120	150	170	200	250	300	330	380	430	460	500	865			
															0.6/0.8				
															0.9/1.1 TPI				
															1.4/1.8 TPI				
															1.8/2.0 TPI				
															2.5/3.4 TPI				

#### TRI-TECH CT

INCHES	WIDTH OR DIAMETER OF CUT																		
	1	2.5	3	4	5	6	7	8	10	12	13	15	17	20+					
MM	25	60	70	100	120	150	170	200	250	300	330	380	430	500+					
															0.6/0.8 TPI				
															0.9/1.1 TPI				
															1.4/1.8 TPI				
															1.8/2.0 TPI				
															2.5/3.4 TPI				

#### TRI-MASTER • HRC • ALUMINUM MASTER CT • SST CARBIDE

INCHES	WIDTH OR DIAMETER OF CUT																		
	1	2.5	3	4	5	6	7	8	10	12	13	15	17	20					
MM	25	60	70	100	120	150	170	200	250	300	330	380	430	500					
															1.2/1.8 TPI				
															1.5/2.3 TPI				
															2/3 TPI				
															3 TPI				
															3/4 TPI				

### BAND-ADE® & SAW MASTER™

General Purpose Sawing Fluids for Flood Applications

These water-soluble formulations provide excellent lubrication and cooling, which improve cutting performance and extend blade life. The fluids reduce machine wear and help to lower overall maintenance costs. Biocides are added to extend the sump life to further reduce costs. The products are environmentally friendly, safe for the operator to use, and biodegradable. They do not contain Chlorine, Sulfur, Silicone, Petroleum oils, or Sulfonates.

For industrial use only. Mix the products with water as recommended. Not recommended for use as a spray lubricant.

### LUBE TUBE

Manually Applied Lubricant Stick

The Lube Tube is an extreme pressure lubricant designed to prevent the build-up of frictional heat on metal surfaces. The stick improves tool life and productivity in a variety of applications including sawing, drilling, milling, grinding, threading, and tapping. The product is biodegradable, non-toxic, and non-staining. It performs exceptionally well in Aluminum foundry applications, but can be used on both Ferrous and non-Ferrous metals.



Additional information on these and other Fluids products can be found in the LENOX product catalog or on lenoxtools.com.

### WE OFFER MORE THAN JUST A BLADE

#### Guaranteed Trial Order

Order a LENOX blade and get this guarantee: The recommended blade will outperform your present blade or your money back— that's the LENOX Guaranteed Trial Order (GTO). Contact your LENOX Sales Representative for more details.

#### Machine Tune-Up for the Best Sawing Performance

After a thorough tune-up by your LENOX Factory-Trained Technical Representative, every blade will cut smoother, straighter and faster. This 13 point tune-up optimizes blade and machine performance reducing total sawing costs.

Customer Service: 800-628-8810  
 Technical Support: 800-642-0010  
 lenoxtools.com  
 NewellRubbermaid

### LENOX® LUBE® & C/AI LUBE

Clean, Synthetic Spray Lubricants

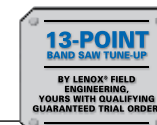
These lubricants are specially formulated for use with the MICRONIZER® or MICRONIZER, Jr. spray delivery systems. The fluids reduce frictional heat and aid in tooth penetration, which leads to longer blade life and easier cutting. The coolants prevent chip welding and provide a smoother surface finish. Using a small amount of fluid allows you to maintain a safe and clean work environment and reduces disposal costs.

For industrial use only. Do not mix the products with water.

### MICRONIZER & MICRONIZER, Jr.

Precision Spray Lubricant Applicators

The Micronizers deliver a small amount of specially formulated lubricant to the cutting surface. Air pressure controls and a precise fluid pump ensure the correct amount of coolant is applied to the blade, which leads to improved cutting performance, longer blade life, and lower costs. A variety of nozzles are available to customize the delivery system to satisfy your needs.



#### Seminars Increase Productivity

Your operators will become more efficient after a problem solving seminar taught in your facility. Topics include machine maintenance tips and understanding speeds and feeds. Seminars offer everything you need to know to maximize machine efficiency and reduce downtime.

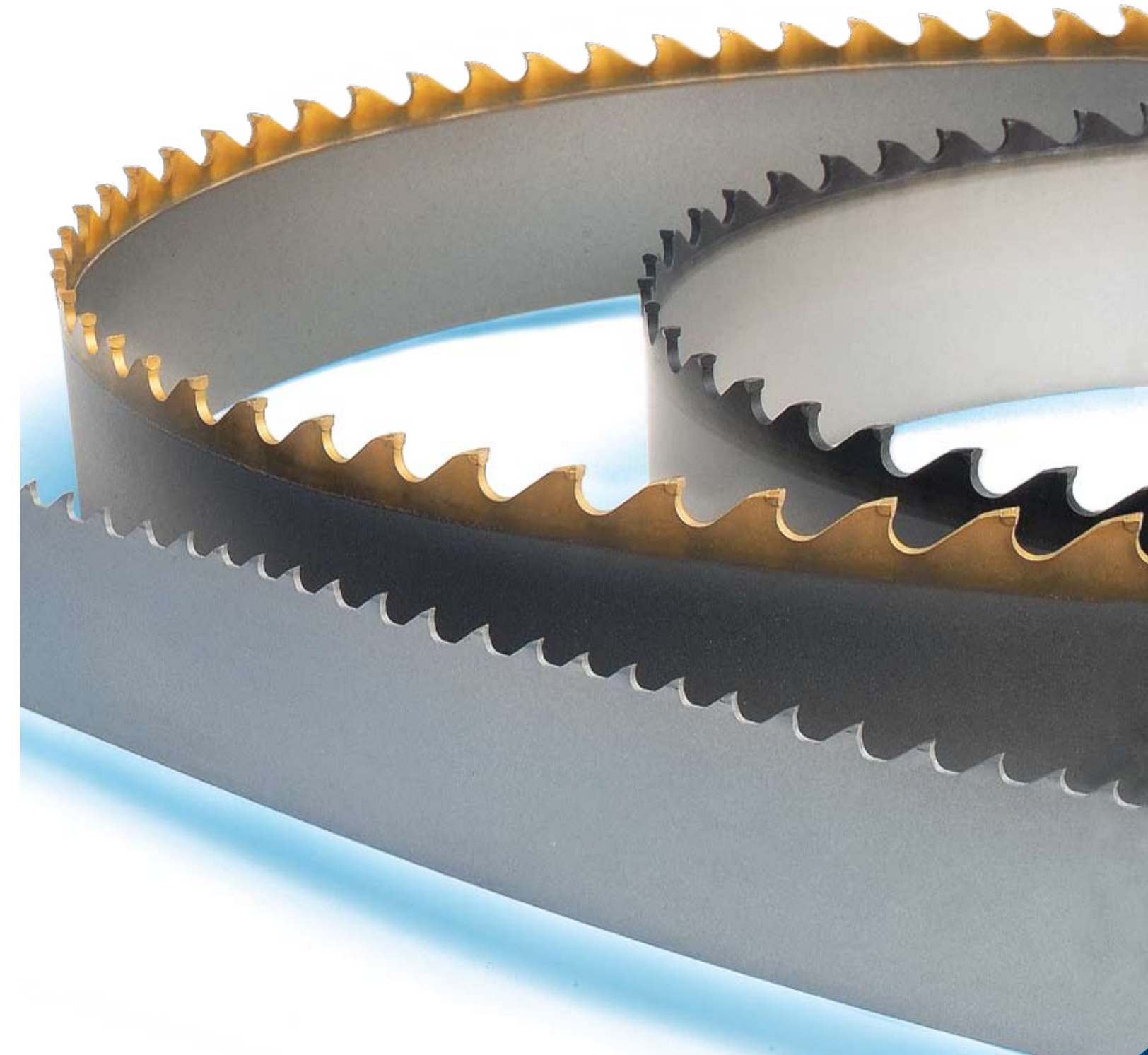
#### Technical Support by Phone

Answers to sawing questions are just a toll free call away. LENOX Technical Service professionals will tell you the most appropriate blade for a job. Get tips on sawing and learn ways to make the job easier. The answers will save money and effort. Call 800-642-0010, Fax: 800-265-9221. E-mail: info@lenoxtools.com

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# BAND SAW BLADES

Carbide Blades | Bi-metal Blades | Sawing Fluids & Lubricants



### BI-METAL PRODUCT SELECTION

#### PRODUCTION SAWING

ALUMINUM NON-FERROUS	CARBON STEELS	STRUCTURAL STEELS	ALLOY STEELS	BEARING STEELS	MOLD STEELS	TOOL STEELS	STAINLESS STEELS	TITANIUM ALLOYS	NICKEL-BASED ALLOYS (INCONEL®)
EASY ← MACHINABILITY → DIFFICULT									
<b>Qxp™</b> Long Life. Fast Cutting									
<b>Qgr™</b> Longest Life. Straight Cuts									
<b>CONTESTOR GT®</b> Long Life. Straight Cuts									
<b>LXP®</b> Fast Cutting									
<b>ARMOR® Rxe®</b> Long Life. Structurals/Bundles									
<b>Rxe®</b> Structurals/Bundles									

#### GENERAL PURPOSE

<b>CLASSIC®</b> 3/4" and Wider Blades					<b>CLASSIC</b>				
<b>DIEMASTER 2®</b> 1/2" and Narrower Blades					<b>DIEMASTER 2</b>				

### BI-METAL TOOTH SELECTION

- Determine size and shape of material to be cut
- Identify chart to be used (square solids, round solids, or tubing/structurals)
- Read teeth per inch next to material size.

#### SQUARE/RECTANGLE SOLID

Locate width of cut (W)

IN	WIDTH OF CUT																				
	.1	.2	.3	.4	.5	.6	.7	.8	.9	1	2	5	10	15	20	25	30	35	40	45	50
MM	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	50	125	250	375	500	625	750	875	1000	1125	1250
TPI	14/18	10/14	8/12	6/10	6/8	5/8	4/6	3/4	2/3	1.5/2.0	1.4/2.0	1.0/1.3	.7/1.0								

#### ROUND SOLID

Locate diameter of cut (D)

IN	DIAMETER OF CUT																				
	.1	.2	.3	.4	.5	.6	.7	.8	.9	1	2	5	10	15	20	25	30	35	40	45	50
MM	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	50	125	250	375	500	625	750	875	1000	1125	1250
TPI	14/18	10/14	8/12	6/10	6/8	5/8	4/6	3/4	2/3	1.5/2.0	1.4/2.0	1.0/1.3	.7/1.0								

#### TUBING/PIPE/STRUCTURALS

Locate wall thickness (T)

IN	WALL THICKNESS																		
	.05	.10	.15	.20	.25	.30	.40	.50	.60	.70	.80	.90	1	1.5	2				
MM	1.25	2.5	3.75	5	6.25	7.5	10	12.5	15	17.5	20	22.5	25	37.5	50				
TPI	14/18	10/14	8/12	6/10	6/8	5/8	4/6	3/4	2/3										

#### BUNDLED/STACKED MATERIALS:

To select the proper number of teeth per inch (TPI) for bundled or stacked materials, find the recommended TPI for a single piece and choose one pitch coarser to cut the bundle



### ARMOR® CT BLACK

For Extreme Cutting Rates



#### AiTIN ARMOR FOR SPEED AND PRODUCTIVITY

Aluminum, Titanium and Nitrogen combine to form a coating that is hard and tough, protecting each tooth from heat and wear with an armor-like barrier

#### ARMOR ALLOWS FOR LOW THERMAL CONDUCTIVITY

Forces heat into the chips rather than the blade or workpiece

#### HIGH QUALITY, MICRO-GRAINED CARBIDE

Tailored to cut a wide range of materials

#### HIGH PERFORMANCE BACKING STEEL

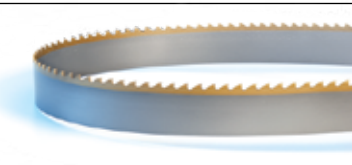
Excellent fatigue life

WIDTH x THICKNESS		TPI				
IN	MM	0.6/0.8	0.9/1.1	1.4/1.8	1.8/2.0	2.5/3.4
1-1/4 x .042	34 x 1.07			•	•	
1-1/2 x .050	41 x 1.27			•	•	•
2 x .063	54 x 1.60		•	•	•	•
2-5/8 x .063	67 x 1.60	•	•	•	•	•
3 x .063	80 x 1.60	•	•			

• New Specs

### ARMOR® CT GOLD

For Superior Life



#### HIGH QUALITY, MICRO-GRAINED CARBIDE

Tailored to offer superior toughness in difficult applications

#### HIGH PERFORMANCE BACKING STEEL

Excellent fatigue life

#### TIN ARMOR FOR PRODUCTIVITY AND BLADE LIFE

This gold colored, Titanium Nitride coating has excellent high hardness and wear characteristics

WIDTH x THICKNESS		TPI	
IN	MM	0.9/1.1	1.8/2.0
1-1/2 x .050	41 x 1.27		•
2 x .063	54 x 1.60	•	•

### TNT CT®

Extreme Performance on Super Alloys



#### HIGH PERFORMANCE CARBIDE AND SPECIAL GROUND TOOTH FORM

Superior wear resistance when sawing difficult to cut materials

#### HIGH PERFORMANCE BACKING STEEL

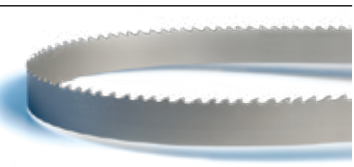
Excellent fatigue life

WIDTH x THICKNESS		TPI				
IN	MM	0.6/0.8	0.9/1.1	1.4/1.8	1.8/2.0	2.5/3.4
1-1/4 x .042	34 x 1.07				•	•
1-1/2 x .050	41 x 1.27		•	•	•	•
2 x .063	54 x 1.60		•	•	•	•
2-5/8 x .063	67 x 1.60	•	•	•	•	•
3 x .063	80 x 1.60	•	•			

• New Specs

### TRI-TECH CT™

Set Style Carbide Blade for Difficult to Cut Metals



#### STRAIGHT CUTS. NO PINCHING.

Set style tooth pattern eliminates pinching in high stress metals

Wide kerf clearance enables plunge cutting

#### PROLONGED BLADE LIFE

High grade carbide tips are precision ground for efficient cutting

High performance backing steel minimizes body breakage

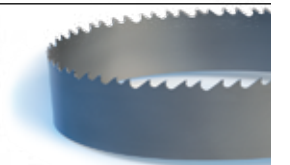
#### EXTREME VERSATILITY

Cuts a range of materials from high strength steels to Nickel-based alloys

WIDTH x THICKNESS		TPI				
IN	MM	0.6/0.8	0.9/1.1	1.4/1.8	1.8/2.0	2.5/3.4
1-1/4 x .042	34 x 1.07				•	•
1-1/2 x .050	41 x 1.27			•	•	•
2 x .063	54 x 1.60		•	•	•	•
2-5/8 x .063	67 x 1.60	•	•	•		
3 x .063	80 x 1.60	•	•			

### TRI-MASTER®

Versatile Carbide Tipped Blade



#### PRECISION TRIPLE CHIP GRIND

Smooth cuts, excellent finish

#### HIGH PERFORMANCE BACKING STEEL

Excellent fatigue life

#### GENERAL PURPOSE BLADE

Perfect for cutting of a wide variety of materials

TOOTH FORM WIDTH x THICKNESS IN MM	VARI-TOOTH® TPI				STANDARD TPI
	1.2/1.8	1.5/2.3	2/3	3/4	
3/8 x .032	9.5 x 0.80				•
1/2 x .025	12.7 x 0.64				•
3/4 x .035	19 x 0.90				•
1 x .035	27 x 0.90			•	•
1-1/4 x .042	34 x 1.07		•	•	•
1-1/2 x .050	41 x 1.27	•	•	•	•
2 x .063	54 x 1.60	•	•		•
2-5/8 x .063	67 x 1.60	•	•		•
3 x .063	80 x 1.60	•			•

### ALUMINUM MASTER™ CT

Triple Chip Tooth Design

#### HIGH QUALITY SUB MICRO-GRAINED CARBIDE

Extreme wear resistance

#### TRIPLE CHIP TOOTH GEOMETRY

Fast cutting, ease of feed, great finish

#### HIGH PERFORMANCE BACKING STEEL

Excellent fatigue life

#### AGGRESSIVE RAKE ANGLE AND THIN KERF

Feeds with less force in hand-fed applications

TOOTH FORM WIDTH x THICKNESS IN MM	VARI-TOOTH TPI	STANDARD TPI
3/4 x .035	19 x 0.90	•
1 x .035	27 x 0.90	•
1-1/4 x .042	34 x 1.07	•
1-1/2 x .050	41 x 1.27	•

### SST CARBIDE™ Set Style Tooth (SST) Design

#### HIGH QUALITY SUB MICRO-GRAINED CARBIDE

Extreme wear resistance

#### SET STYLE TOOTH GEOMETRY

Regularly outperforms the competition

#### IMPROVED DURABILITY IN HAND-FED AND CONTOUR CUTTING APPLICATIONS

TOOTH FORM WIDTH x THICKNESS IN MM	STANDARD TPI
3/4 x .035	19 x 0.90
1 x .035	27 x 0.90

### HRc®

Carbide Tipped Blade for Case and Through-Hardened Material



#### HIGH QUALITY, MICRO-GRAINED CARBIDE

Outstanding durability

#### STRONG TOOTH DESIGN

Superior edge strength and strip resistance

#### NEW HIGH PERFORMANCE BACKING STEEL

Excellent fatigue life

#### REPLACES ABRASIVE CUT-OFF OPERATIONS

TOOTH FORM WIDTH x THICKNESS IN MM	VARI-TOOTH TPI	STANDARD TPI
1 x .035	27 x 0.90	•
1-1/4 x .042	34 x 1.07	•
1-1/2 x .050	41 x 1.27	•
2 x .063	54 x 1.60	•
2-5/8 x .063	67 x 1.60	•
3 x .063	80 x 1.60	•

### MASTER-GRIT®

Carbide Grit Edge Blade for Cutting Abrasive and Hardened Materials



#### TUNGSTEN CARBIDE PARTICLE GRIT

Metallurgically bonded edge

#### GULLETED

For applications greater than 1/4"(6.4mm) in cross-section

#### CONTINUOUS

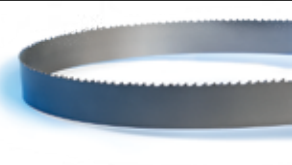
For applications less than 1/4"(6.4mm) in cross-section

GRIT EDGE PREPARATION WIDTH x THICKNESS IN MM	GULLETED	CONTINUOUS	
		Med	Coarse
1/4 x .020	6.4 x 0.50		•
3/8 x .025	9.5 x 0.64	•	•
1/2 x .025	12.7 x 0.64	•	•
3/4 x .032	19 x 0.80	•	•
1 x .035	27 x 0.90	•	•
1-1/2 x .050	41 x 1.27	•	•
1-1/4 x .042	34 x 1.07		•



### QGT™

Long Blade Life When Cutting Tough Materials



#### LONG LIFE. STRAIGHT CUTTING

Solids of moderate to difficult machinability

Proprietary backing steel preparation provides increased fatigue life

#### OPTIMUM CHIP FORMATION IN WORK

Special set and tooth profile

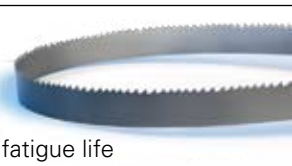
#### MAXIMUM BEAM STRENGTH FOR STRAIGHTER CUTTING

Modified gullet design

WIDTH x THICKNESS IN MM	TPI			
	1.0/1.3	2/3	3/4	4/6
1-1/4 x .042	34 x 1.07	♦	♦	♦
1-1/2 x .050	41 x 1.27	♦	♦	♦
2 x .063	54 x 1.60	♦	♦	♦
2-5/8 x .063	67 x 1.60	♦		
3 x .063	80 x 1.60	♦		

### QXP™

Long Blade Life at High Cutting Rates



#### LONG LIFE. FAST CUTTING

Solids of mild to moderate machinability

Proprietary backing steel preparation provides increased fatigue life

#### PENETRATES WITH LESS FEED FORCE

Extreme positive rake tooth form

#### INCREASED CUTTING RATES

Deep gullet design

WIDTH x THICKNESS IN MM	TPI			
	2/3	3/4	4/6	5/8
1 x .035	27 x 0.90	♦	♦	♦
1-1/4 x .042	34 x 1.07	♦	♦	♦
1-1/2 x .050	41 x 1.27	♦	♦	♦
2 x .063	54 x 1.60	♦	♦	

### CONTESTOR GT®

High Performance Sawing



#### STRAIGHTER CUTS ON LARGER, DIFFICULT TO CUT MATERIALS

Unique gullet design for increased beam strength

#### OPTIMUM CHIP FORMATION IN WORK

HARDENING ALLOYS

Precision ground teeth—smoother tooth face and gullet surfaces

Patented special set and tooth profile

#### IMPROVED LIFE WITH OPTIONAL M-51 EDGE MATERIAL

Increased heat and wear resistance

Available as listed below

WIDTH x THICKNESS IN MM	TPI					
	0.7/1.0	1.0/1.3	1.4/2.0	2/3	3/4	4/6
1 x .035	27 x 0.90			•	•	•
1-1/4 x .042	34 x 1.07		♦	♦	♦	♦
1-1/2 x .050	41 x 1.27		♦	♦	♦	♦
2 x .050	54 x 1.27		♦	♦	♦	♦
2 x .063	54 x 1.60	♦	♦	♦	♦	♦
2-5/8 x .063	67 x 1.60	♦	♦	♦	♦	♦
3 x .063	80 x 1.60	♦	♦	♦		

• Milled Tooth ♦ Ground Tooth ■ Available with M-51 edge

### LXP®

Extreme Production Rates



#### FASTER CUTTING OF SOLID MATERIALS

Extreme positive rake tooth form for easier penetration

Deep gullets for improved chip carrying capacity with less feed force

WIDTH x THICKNESS IN MM	TPI				
	1.0/1.3	1.5/2.0	2/3	3/4	4/6
3/4 x .035	19 x 0.90				♦
1 x .035	27 x 0.90			♦	♦
1-1/4 x .042	34 x 1.07		♦	♦	♦
1-1/2 x .050	41 x 1.27		♦	♦	♦
2 x .063	54 x 1.60	♦	♦	♦	♦
2-5/8 x .063	67 x 1.60	♦	♦	♦	♦
3 x .063	80 x 1.60	♦			

• Milled Tooth ♦ Ground Tooth ■ Available with M-51 edge

### ARMOR® Rx®

Engineered for Long Life



#### AiTIN COATING FOR PRODUCTIVITY AND LONG BLADE LIFE

Aluminum, Titanium, and Nitrogen combine to form a coating that is hard and tough, protecting each tooth from heat and wear with an armor-like barrier

#### UNIQUE, PATENTED TOOTH PROFILE

Special, reinforced tooth design for reduced tooth strippage at higher feed rates

Minimized harmonics and vibrations

Quiet cutting

#### HIGH PERFORMANCE BACKING STEEL

For longer fatigue life

WIDTH x THICKNESS IN MM	TPI			
		2/3	3/4	4/6
1-1/4 x .042	34 x 1.07	♦	♦	♦
1-1/2 x .050	41 x 1.27	♦	♦	♦
2 x .063	54 x 1.60	♦	♦	

†=Extra heavy set available to prevent blade pinching

### Rx®

Engineered to Cut structurals, Tubing and Bundles



#### LONG BLADE LIFE AND EXTREME DURABILITY

Patented tooth profile resists tooth strippage, even at higher feed rates