



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									
ARMOR® CT BLACK for Extreme Cutting Rates									
ARMOR® CT GOLD			ARMOR® CT GOLD For Superior Life						
TNT CT®					TNT CT® Extreme Performance on Super Alloys				
TRI-TECH CT™					TRI-TECH CT™ Set Style Blade for Difficult to Cut Metals				
TRI-MASTER®					TRI-MASTER® 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				
ALUMINUM MASTER™ CT Triple Chip Tooth Design			Hrc® Carbide Tipped Blade for Case and Through-Hardened Materials	
SST CARBIDE™ Set Style Tooth Design				
TRI-MASTER®				
MASTER-GRIT®			MASTER-GRIT® Carbide Grit Edge Blade for Cutting Abrasive and Hardened Materials	

CARBIDE TOOTH SELECTION

INCHES	WIDTH OR DIAMETER OF CUT													
	MM	1	2.5	3	4	5	6	7	8	10	12	13	15	17
	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													

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

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

INCHES	WIDTH OR DIAMETER OF CUT													
	MM	1	2.5	3	4	5	6	7	8	10	12	13	15	17
	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													

INCHES	WIDTH OR DIAMETER OF CUT													
	MM	1	2.5	3	4	5	6	7	8	10	12	13	15	17
	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 www.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 Service: 800-642-0010
www.lenoxtools.com

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.

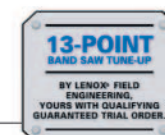


For industrial use only. Do not mix the products with water.

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

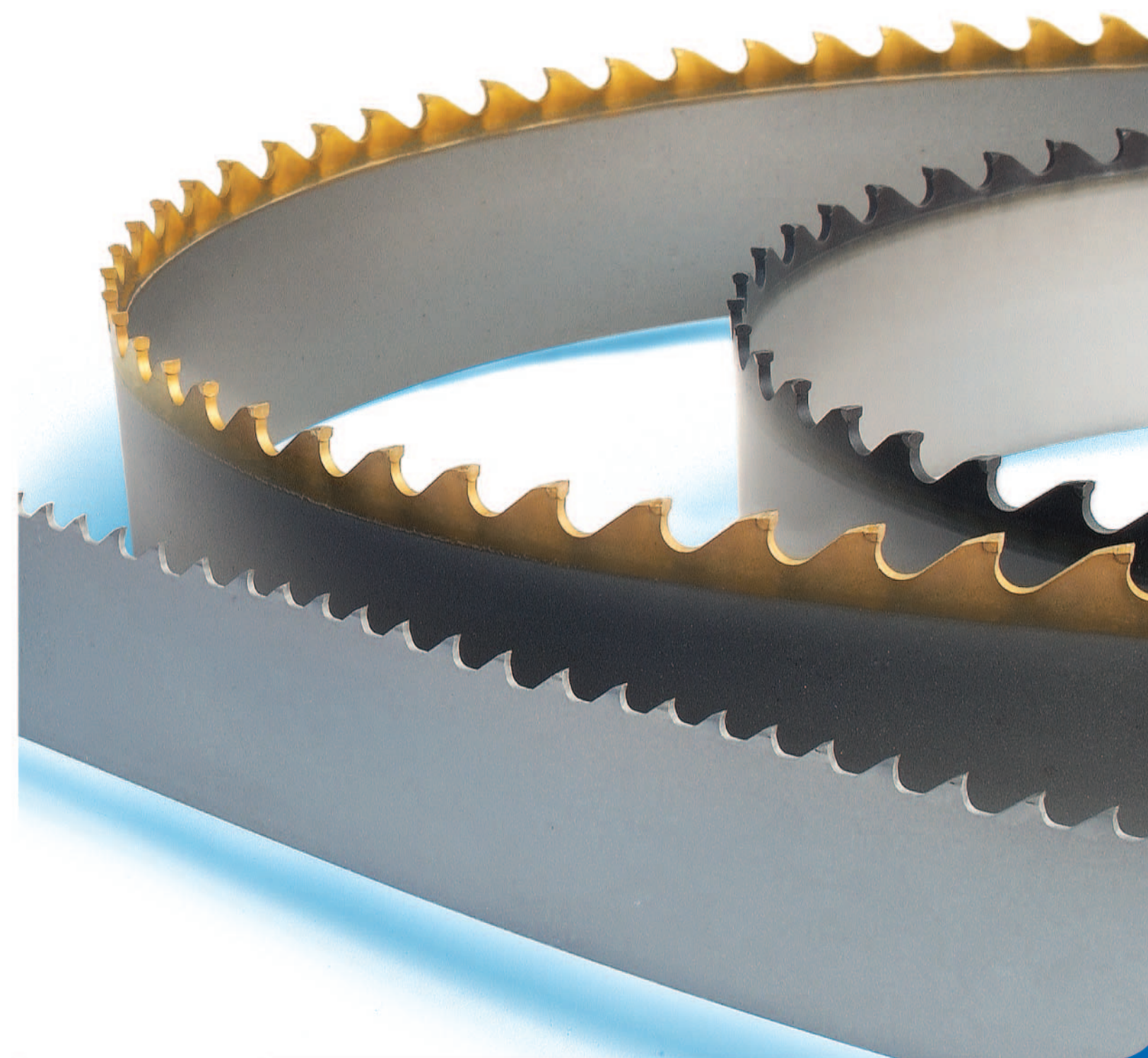
LENOX ASIA OFFICE
asia@lenoxtools.com
 LENOX GLOBAL HEADQUARTERS
 301 Chestnut Street, East Longmeadow, MA 01028-0504 USA
 EDP 18196 ©7/2008 LENOX A *Newell Rubbermaid* Company

asia@lenoxtools.com

www.lenoxtools.com

BAND SAW BLADES

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



BI-METAL PRODUCT SELECTION

PRODUCTION SAWING

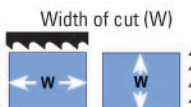
ALUMINUM/ NON-FERROUS	CARBON STEELS	STRUCTURAL STEELS	ALLOY STEELS	BEARING STEELS	MOLD STEELS	TOOL STEELS	STAINLESS STEELS	TITANIUM ALLOYS	NICKEL-BASED ALLOYS (INCONEL®)
EASY ← MACHINABILITY → DIFFICULT									
Qgt™ Longest Life. Straight Cuts									
Qxp™					Qxp™ Long Life. Fast Cutting				
CONTESTOR GT® Long Life. Straight Cuts									
LXP®					LXP® Fast Cutting				
Rxe® Structurals/Bundles					ARMOR® Rxe® Long Life. Structurals/Bundles				
GENERAL PURPOSE									
QCL™ Long Life. Durable. Versatile.					QCL™				
CLASSIC® 3/4" and Wider Blades					CLASSIC®				
DIEMASTER 2® 1/2" and Narrower Blades					DIEMASTER 2®				

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

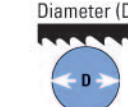
Locate width of cut (W)



IN	WIDTH OF CUT																				
	MM	.1	.2	.3	.4	.5	.6	.7	.8	.9	1	2	5	10	15	20	25	30	35	40	45
	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																				
	MM	.1	.2	.3	.4	.5	.6	.7	.8	.9	1	2	5	10	15	20	25	30	35	40	45
	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														
	MM	.05	.10	.15	.20	.25	.30	.40	.50	.60	.70	.80	.90	1	1.5
	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

asia@lenoxtools.com

www.lenoxtools.com



CARBIDE BAND SAW BLADES

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

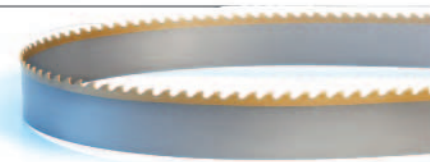
HIGH QUALITY, MICRO-GRAINED CARBIDE
Tailored to cut a wide range of materials

HIGH PERFORMANCE BACKING STEEL
Excellent fatigue life

WIDTH x THICKNESS		TPI			
IN	MM	0.9/1.1	1.4/1.6	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	•			

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	0.9/1.1	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-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		VARI-TOOTH® TPI				STANDARD TPI	
WIDTH x THICKNESS	IN	MM	1.2/1.8	1.5/2.3	2/3	3/4	3
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		VARI-TOOTH® TPI		STANDARD TPI
WIDTH x THICKNESS	IN	MM	2/3	3
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		STANDARD TPI	
WIDTH x THICKNESS	IN	MM	3
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		VARI-TOOTH® TPI		STANDARD TPI	
WIDTH x THICKNESS	IN	MM	2/3	3/4	3
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	•		•

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		GULLETED			CONTINUOUS		
WIDTH x THICKNESS	IN	MM	Med	Med-Coarse	Coarse	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				•	•

CARBIDE BAND SAW BLADES



BI-METAL BAND SAW BLADES

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

HARDENING MATERIALS

Special set and tooth profile

MAXIMUM BEAM STRENGTH FOR STRAIGHTER CUTTING
Modified gullet design

WIDTH x THICKNESS		TPI			
IN	MM	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		TPI				
IN	MM	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

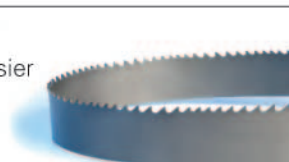
Available as listed below

WIDTH x THICKNESS		TPI					
IN	MM	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		TPI					
IN	MM	1.0/1.3	1.5/2.0	2/3	3/4	4/6	5/8
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

QCL™

Long Life. Durable. Versatile.



PATENTED TUFF TOOTH™ DESIGN
For strip resistance

Innovative positive rake tooth form

M-42 HIGH SPEED STEEL TOOTH EDGE

For durability

TOOTH FORM		TUFF TOOTH™ TPI				
WIDTH x THICKNESS	IN	MM	2/3	3/4	4/6	5/8
1 x .035		27 x 0.90		•	•	•
1-1/4 x .035		34 x 1.07	•	•	•	•
1 x 1/2 x .050		41 x 1.27	•	•		

Rx®+

Engineered to Cut structurals, Tubing and Bundles

LONG BLADE LIFE AND EXTREME DURABILITY

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

QUIET CUTTING, REDUCED VIBRATION
Optimized tooth pitch/set sequence

WIDTH x THICKNESS		TPI				
IN	MM	2/3	3/4	4/6	5/8	