



SELECTING CARBIDE TIPPED BAND SAW BLADES

The following information needs to be specified when a band saw blade is ordered:

PRODUCT NAME LENGTH X WIDTH X THICKNESS TEETH PER INCH

For Example: *ARMOR*[®] CT BLACK 16' x 1-1/4" x .042" 2.5/3.4 TPI

STEP #1: ANALYZE THE SAWING APPLICATION

Machine: Determine the band size for the machine (Length x Width x Thickness).

Material: Determine the following for the material to be cut:

- Material Type/Grade
- Size
- Shape

Operation: Is this a production, or general purpose sawing operation?

STEP #2: DETERMINE HIGH PERFORMANCE VS. SPECIAL APPLICATION

Use the charts below.

- Locate the type of material to be cut in the top row.
- Read down the chart to find which blade is recommended.

STEP #3: DETERMINE THE PROPER NUMBER OF TEETH PER INCH (TPI)

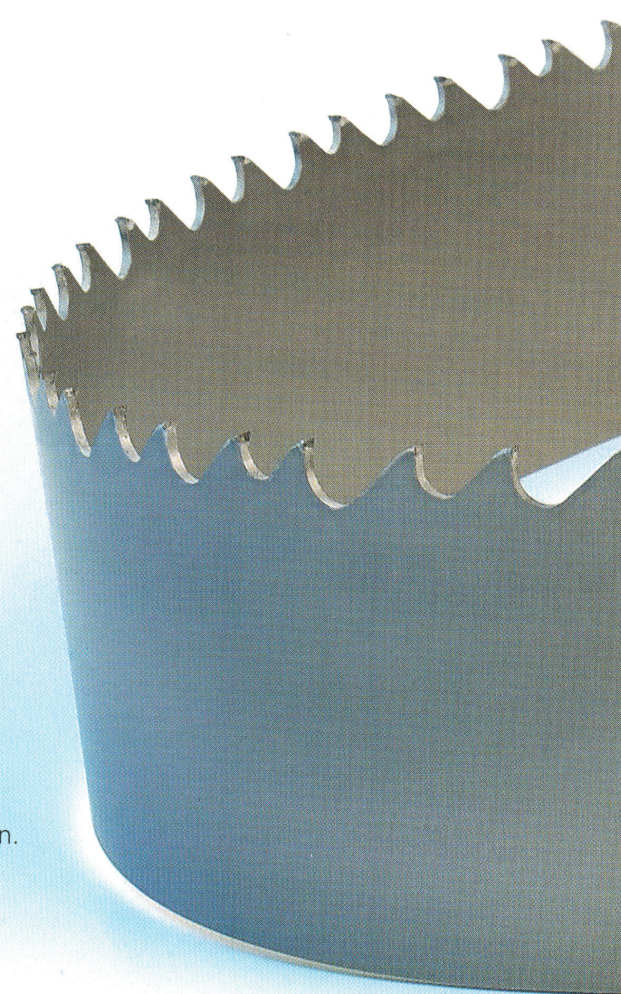
Use the Carbide Tooth Selection chart on page 15.

If having difficulty choosing between two pitches, the coarser of the two will generally give better performance.

When compromise is necessary, choose the correct TPI first. A general rule for bundles: Determine the correct TPI for the largest continuous cross section.

STEP #4: CONFIRM THE DESIRED PRODUCT IS AVAILABLE

- Go to the product page for the product you have selected.
- Confirm that product is available in the correct blade width and TPI.



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 Extreme Cutting Rates									
LENOX TNT CT[®]						LENOX 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				
CAST MASTER[™] Superior Performance When Sawing Castings			LENOX HRc Carbide Tipped Blade for Case and Through-Hardened Materials	
TRI-MASTER				
MASTER-GRIT[®]		MASTER-GRIT Carbide Grit Edge Blade for Cutting Abrasive and Hardened Materials		

Note: We can provide solutions for many cutting applications not listed here. Please call LENOX Technical Support at 800-642-0010, or go to sawcalc.com.