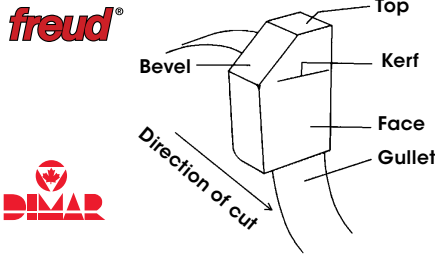




## What You Should Know About Circular Saw Blades

Tooth design is the determining factor in deciding which blade is best for which industrial application.

Here's a quick overview of how subtle changes in bevel, gullet and kerf affect cutting performance.



### BEVEL

Teeth can have a single bevel, two bevels or no bevel at all. Types of bevels can alternate from tooth to tooth on a given blade. The bevel is what gives the blade its specific cutting pattern.

### GULLET

This is the space between teeth that clears the work piece of chips after the cut. The deeper the gullet, the more efficiently chips are cleared.

### KERF

This is the face of the tooth, where the actual cutting takes place. The pattern of alternating kerfs, known as the grind, decides what applications a blade is best for.

### GRIND

There are many types of grinds, but the five basic ones are:

Flat top grind (FTG) - best for ripping.

Alternate top bevel (ATB) - for crosscutting, cut-off and trimming.

Triple chip grind (TCG) - perfect for hard, abrasive materials like non-ferrous metals, hardwoods and plastics.

Multi-purpose carbide tipped (MCT) or ripping and crosscutting, mitre.

Tri-grind (TRI) - combination grind.



## Industrial Blades

### TCS

Feature Freud's newest and most resilient PermaShield® coating. This blade now combines Freud's highest quality blade with its highest quality coating. The TCS coating helps reduce blade distorting heat and makes cutting a breeze.

#### GENERAL PURPOSE

- Crosscut and cutoff of hard and soft woods

| Model No. | Mfg. No. | Blade Dia. " | Arbor " | No. of Teeth | Kerf " | Degrees | Hook Grind | Price /Each |
|-----------|----------|--------------|---------|--------------|--------|---------|------------|-------------|
| TT815     | LU84R008 | 8            | 5/8     | 40           | 0.126  | 10      | MCT        |             |
| TT817     | LU84R010 | 10           | 5/8     | 50           | 0.126  | 10      | MCT        |             |
| TT818     | LU84R012 | 12           | 1       | 60           | 0.126  | 10      | MCT        |             |

#### SLIDING COMPOUND MITER BLADES

- Easy fast cutting

| Model No. | Mfg. No. | Blade Dia. " | Arbor " | No. of Teeth | Kerf " | Degrees | Hook Grind | Price /Each |
|-----------|----------|--------------|---------|--------------|--------|---------|------------|-------------|
| TT833     | LU91R008 | 8            | 5/8     | 48           | 0.090  | -5      | ATB        |             |
| TT834     | LU91R010 | 10           | 5/8     | 60           | 0.090  | -5      | TCG        |             |

#### RIPPING

- Rips hard and soft woods

| Model No. | Mfg. No. | Blade Dia. " | Arbor " | No. of Teeth | Kerf " | Degrees | Hook Grind | Price /Each |
|-----------|----------|--------------|---------|--------------|--------|---------|------------|-------------|
| TT809     | LM72R008 | 8            | 5/8     | 24           | 0.126  | 20      | FTG        |             |
| TT810     | LM72R010 | 10           | 5/8     | 24           | 0.126  | 20      | FTG        |             |
| TT811     | LM72R012 | 12           | 1       | 30           | 0.169  | 20      | FTG        |             |

#### CROSSCUT & FINISHING

- Ultra smooth crosscut and mitres

| Model No. | Mfg. No. | Blade Dia. " | Arbor " | No. of Teeth | Kerf " | Degrees | Hook Grind | Price /Each |
|-----------|----------|--------------|---------|--------------|--------|---------|------------|-------------|
| TT821     | LU85R008 | 8            | 5/8     | 64           | 0.116  | 10      | ATB        |             |
| TT823     | LU85R010 | 10           | 5/8     | 80           | 0.116  | 10      | ATB        |             |
| TT824     | LU85R012 | 12           | 1       | 96           | 0.116  | 10      | ATB        |             |

#### LAMINATE & CHIPBOARD

- Cuts dense abrasive man-made materials

| Model No. | Mfg. No. | Blade Dia. " | Arbor " | No. of Teeth | Kerf " | Degrees | Hook Grind | Price /Each |
|-----------|----------|--------------|---------|--------------|--------|---------|------------|-------------|
| TT836     | LU98R008 | 8            | 5/8     | 64           | 0.126  | -10     | TCG        |             |
| TT838     | LU98R010 | 10           | 5/8     | 80           | 0.126  | -10     | TCG        |             |
| TT839     | LU98R012 | 12           | 1       | 96           | 0.126  | -10     | TCG        |             |

### PREMIER FUSION GENERAL PURPOSE SAW BLADES

- Rips woods, crosscuts wood, plywood, laminate

| Model No. | Mfg. No. | Blade Dia. " | Arbor " | No. of Teeth | Kerf " | Hook Grind | Price /Each |
|-----------|----------|--------------|---------|--------------|--------|------------|-------------|
| TB0352    | P408     | 8            | 5/8     | 34 Hi        | 0.126  | ATB        |             |
| TB0353    | P410     | 10           | 5/8     | 40 Hi        | 0.126  | ATB        |             |
| TB0354    | P412     | 12           | 1       | 48 Hi        | 0.126  | ATB        |             |

### HEAVY-DUTY GLUE LINE RIPPING BLADES

- Rips wood, crosscuts wood, chip board, plywood, laminate

| Model No. | Mfg. No. | Blade Dia. " | Arbor " | No. of Teeth | Kerf " | Hook Grind | Price /Each |
|-----------|----------|--------------|---------|--------------|--------|------------|-------------|
| TB0357    | LM74R010 | 10           | 5/8     | 30           | 0.118  | TCG        |             |
| TB0358    | LM74R012 | 12           | 1       | 40           | 0.118  | TCG        |             |
| TB0359    | LM74R014 | 14           | 1       | 44           | 0.138  | TCG        |             |

### MITRE CROSSCUT

- Crosscut and mitre of hard and soft woods

| Model No. | Mfg. No. | Blade Dia. " | Arbor " | No. of Teeth | Kerf " | Degrees | Hook Grind | Price /Each |
|-----------|----------|--------------|---------|--------------|--------|---------|------------|-------------|
| TT686     | LU73M014 | 14           | 1       | 84           | 0.138  | 10      | ATB        |             |

### GENERAL PURPOSE SAW BLADES

- For crosscutting thick hardwoods and softwoods (3/4" to 3 1/2") and thinner stock material (1/4" to 1")
- Anti-vibration design, Silver Ice™ coating

| Model No. | Mfg. No. | Blade Dia. " | Arbor " | No. of Teeth | Kerf " | Degrees | Hook Grind | Price /Each |
|-----------|----------|--------------|---------|--------------|--------|---------|------------|-------------|
| TT639     | LU72M014 | 14           | 1       | 54           | 0.138  | 13      | ATB        |             |

### DOUBLE SIDED LAMINATE/MELAMINE

- Rips wood, crosscuts wood, chip board, plywood, melamine, laminate

| Model No. | Mfg. No. | Blade Dia. " | Arbor " | No. of Teeth | Kerf " | Hook Grind | Price /Each |
|-----------|----------|--------------|---------|--------------|--------|------------|-------------|
| TB0360    | LM97R008 | 8            | 5/8     | 64           | 0.126  | TCG        |             |
| TB0361    | LM97R010 | 10           | 5/8     | 80           | 0.126  | TCG        |             |
| TB0362    | LM97R012 | 12           | 1       | 96           | 0.126  | TCG        |             |
| TB0363    | LM97R014 | 14           | 1       | 108          | 0.138  | TCG        |             |