

## Metal Cutting Blades

**freud**

### Steel Demon® Ferrous Metal Cutting Blade

*Ideal for cutting steel studs, steel sheet, steel pipe and other mild steel sections.*

Steel Demon blades efficiently cut through ferrous metals quickly and accurately leaving clean, burr free cuts. These blades feature teeth with Triple Chip Grind (TCG) and a special carbide blend with outstanding resistance to the high impact generated by steel cutting.



| Item #  | Code | Diameter (in.)                | Arbor (in./mm) | # Teeth | Grind | Hook Angle | Kerf (in.) | Stock* |
|---------|------|-------------------------------|----------------|---------|-------|------------|------------|--------|
| D0530FM | FRE  | 5 <sup>3</sup> / <sub>8</sub> | 20 mm          | 30      | TCG   | 2          | .059       | Y      |
| D0648F  | FRE  | 6 <sup>1</sup> / <sub>2</sub> | 5/8" Diamond   | 48      | TCG   | 2          | .071       | Y      |
| D0738FM | FRE  | 7                             | 20 mm          | 38      | TCG   | 2          | .102       | Y      |
| D0738F  | FRE  | 7 <sup>1</sup> / <sub>4</sub> | 5/8"           | 38      | TCG   | 2          | .102       | Y      |
| D0748F  | FRE  | 7 <sup>1</sup> / <sub>4</sub> | 5/8" Diamond   | 48      | TCG   | 2          | .102       | Y      |
| D0748FM | FRE  | 7                             | 20 mm          | 48      | TCG   | 2          | .102       | Y      |
| D0756F  | FRE  | 7 <sup>1</sup> / <sub>4</sub> | 5/8"           | 56      | TCG   | 2          | .102       | Y      |
| D1260F  | FRE  | 12                            | 1"             | 60      | TCG   | -2         | .114       | Y      |
| D1472F  | FRE  | 14                            | 1"             | 72      | TCG   | -2         | .114       | Y      |

### Nonferrous Metal Cutting Blade

*Ideal for on-the-job cutting of nonferrous metal such as copper pipe, aluminum extrusions, brass plate and plastics.*

These thin kerf blades have a Triple Chip Grind (TCG) Tooth Design for long life and a clean, burr-free finish. Diablo's unique anti-vibration design and precision-tensioned steel plate provide critical protection against vibration, allowing these blades to cut smoother and quieter.



| Item # | Code | Diameter (in.)                | Arbor (in./mm) | # Teeth | Grind | Hook Angle | Kerf (in.) | Stock* |
|--------|------|-------------------------------|----------------|---------|-------|------------|------------|--------|
| D0756N | FRE  | 7 <sup>1</sup> / <sub>4</sub> | 5/8" Diamond   | 56      | TCG   | -6         | .106       | Y      |
| D1080N | FRE  | 10                            | 5/8"           | 80      | TCG   | -5         | .094       | Y      |
| D1296N | FRE  | 12                            | 1"             | 96      | TCG   | -5         | .091       | Y      |

### LU89M Thick Nonferrous Metal Blade

- For cutting nonferrous metals such as copper pipe, aluminum extrusions and brass plate
- Custom designed gullets to minimize chip build-up and specially designed micrograin carbide tips and tri-metal brazing for long life and clean cuts
- Freud recommends ample use of a liquid lubricant when cutting



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating    | Stock* |
|----------|------|----------|-------|---------|------|------------|--------|
| LU89M010 | FRE  | 10"      | 5/8"  | 72 TCG  | .122 | Silver ICE | Y      |
| LU89M012 | FRE  | 12"      | 1"    | 86 TCG  | .122 | Silver ICE | Y      |

### Thin Stock Nonferrous Metal Blade

- Cuts thin aluminum and other nonferrous metals



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating    | Stock* |
|----------|------|----------|-------|---------|------|------------|--------|
| LU90M010 | FRE  | 10"      | 5/8"  | 100 TCG | .110 | Silver ICE | Y      |
| LU90M012 | FRE  | 12"      | 1"    | 120 TCG | .118 | Silver ICE | Y      |

**Don't forget to order**

**Protective Eyewear**

see pages 158-160



**Need a specific Item? Give us a call and we can customize your order!**

# Wood Cutting Blades



## Industrial Series Saw Blades

Freud's industrial series of thin kerf and full kerf blades are designed for the serious woodworker.

### Features:

- Laser-cut, anti-vibration slots drastically reduce vibration and sideways movement in the cut, extending blade life and giving a crisp, splinter-free, flawless finish
- High strength steel and precision tensioned bodies ensure stable, flat blades
- Thick, micrograin carbide tips, laser-cut blade bodies and expansion slots
- Kickback reducing design promotes safety
- Blades are available with red Perma-SHIELD® or Silver ICE™ coatings to help reduce friction, heat build-up and gumming

### Heavy-Duty Rip Blade

- Gives smooth, fast rips in hard and soft woods for a glue line precision cut
- Ideal working range is from 3/4" to 2 3/4" thick



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating      | Stock* |
|----------|------|----------|-------|---------|------|--------------|--------|
| LM72M010 | FRE  | 10"      | 5/8"  | 24 Flat | .126 | Silver ICE   | Y      |
| LM72R010 | FRE  | 10"      | 5/8"  | 24 Flat | .126 | Perma-SHIELD | Y      |

### Heavy-Duty Glue Line Rip Blade

- Triple chip tooth produces extremely smooth, glue line rips in hard and soft woods from 1/8" to 1" thick



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating      | Stock* |
|----------|------|----------|-------|---------|------|--------------|--------|
| LM74M010 | FRE  | 10"      | 5/8"  | 30 TCG  | .118 | Silver ICE   | Y      |
| LM74R010 | FRE  | 10"      | 5/8"  | 30 TCG  | .118 | Perma-SHIELD | Y      |

### Thin Kerf Glue Line Rip Blade

- Triple chip tooth produces extremely smooth, glue line rips in hard and soft woods from 1/8" to 1" thick



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating      | Stock* |
|----------|------|----------|-------|---------|------|--------------|--------|
| LM75R010 | FRE  | 10"      | 5/8"  | 30 TCG  | .091 | Perma-SHIELD | Y      |

### Thin Kerf Ultimate Cut-Off Blade

- Produces glass smooth surfaces when crosscutting hardwoods and softwoods



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating      | Stock* |
|----------|------|----------|-------|---------|------|--------------|--------|
| LU74R010 | FRE  | 10"      | 5/8"  | 80 ATB  | .091 | Perma-SHIELD | Y      |

### Cabinetmaker's Crosscut Blade

- Designed specifically for the professional cabinetmaker—good for crosscutting soft and hard wood, plywood and particle board from 1/2" to 2 3/4" thick



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating    | Stock* |
|----------|------|----------|-------|---------|------|------------|--------|
| LU73M010 | FRE  | 10"      | 5/8"  | 60 ATB  | .126 | Silver ICE | Y      |
| LU73M012 | FRE  | 12"      | 1"    | 72 ATB  | .126 | Silver ICE | Y      |

### Thin Kerf Ultimate Plywood & Melamine Blade

- Produces flawless, chip-free edges in veneered plywoods, fine moldings, melamine, laminates and crosscuts in solid woods



| Item #      | Code | Diameter | Arbor | # Teeth   | Kerf | Coating      | Stock* |
|-------------|------|----------|-------|-----------|------|--------------|--------|
| LU79R006M20 | FRE  | 160 mm   | 20 mm | 48 Hi-ATB | .091 | Perma-SHIELD | Y      |

### Ultimate Plywood & Melamine Blade

- Use for crisp, splinter-free and chip-free cuts in hard and soft woods, veneered plywoods and double-sided laminates



| Item #   | Code | Diameter | Arbor | # Teeth   | Kerf | Coating      | Stock* |
|----------|------|----------|-------|-----------|------|--------------|--------|
| LU80R010 | FRE  | 10"      | 5/8"  | 80 Hi-ATB | .126 | Perma-SHIELD | Y      |
| LU80R012 | FRE  | 12"      | 1"    | 96 Hi-ATB | .126 | Perma-SHIELD | Y      |

### Heavy-Duty Multi-Purpose Blade

- Crosscuts and rips hard and soft woods with ease, and the triple chip grind makes the blade suitable for cutting man-made wood products, such as chipboard and MDF



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating    | Stock* |
|----------|------|----------|-------|---------|------|------------|--------|
| LU82M010 | FRE  | 10"      | 5/8"  | 60 TCG  | .126 | Silver ICE | Y      |

# Wood Cutting Blades

## Thin Kerf Combination Blade

- Multipurpose blade has groups of five teeth that include one flat tooth for ripping, followed by four alternate top bevel teeth for crosscutting and a large gullet for effective chip clearance



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating      | Stock* |
|----------|------|----------|-------|---------|------|--------------|--------|
| LU83R010 | FRE  | 10"      | 5/8"  | 50 Comb | .091 | Perma-SHIELD | Y      |

## Heavy-Duty Combination Blade

- Multipurpose blade has groups of five teeth that include one flat tooth for ripping, followed by four alternate top bevel teeth for crosscutting and a large gullet for effective chip clearance



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating      | Stock* |
|----------|------|----------|-------|---------|------|--------------|--------|
| LU84M011 | FRE  | 10"      | 5/8"  | 50 Comb | .126 | Silver ICE   | Y      |
| LU84R011 | FRE  | 10"      | 5/8"  | 50 Comb | .126 | Perma-SHIELD | Y      |
| LU84R012 | FRE  | 12"      | 1"    | 60 Comb | .126 | Perma-SHIELD | Y      |

## Ultimate Cutoff Blade

- Unique grind on each tooth actually polishes the material as it cuts, producing glass-smooth finishes when crosscutting hard and soft woods, which eliminates the need to sand



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating      | Stock* |
|----------|------|----------|-------|---------|------|--------------|--------|
| LU85R008 | FRE  | 8"       | 5/8"  | 64 ATB  | .116 | Perma-SHIELD | Y      |
| LU85R010 | FRE  | 10"      | 5/8"  | 80 ATB  | .116 | Perma-SHIELD | Y      |
| LU85R012 | FRE  | 12"      | 1"    | 96 ATB  | .116 | Perma-SHIELD | Y      |

## Thin Kerf General Purpose Blade

- Crosscuts thick hardwoods, softwoods and thinner stock materials
- Ideal working range is from 3/4" to 3 1/2" thick for crosscutting and 1/4" to 1" thick for ripping



| Item #      | Code | Diameter | Arbor | # Teeth | Kerf | Coating      | Stock* |
|-------------|------|----------|-------|---------|------|--------------|--------|
| LU86R006M20 | FRE  | 160 mm   | 20 mm | 20 ATB  | .098 | Perma-SHIELD | Y      |
| LU86R010    | FRE  | 10"      | 5/8"  | 40 ATB  | .094 | Perma-SHIELD | Y      |
| LU86R012    | FRE  | 12"      | 1"    | 48 ATB  | .094 | Perma-SHIELD | Y      |

## Thin Kerf Sliding Compound Miter Blade

- Provides a superior finish cut with sliding miter and radial arm saws



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating      | Stock* |
|----------|------|----------|-------|---------|------|--------------|--------|
| LU91R008 | FRE  | 8 1/2"   | 5/8"  | 48 ATB  | .090 | Perma-SHIELD | Y      |
| LU91R010 | FRE  | 10"      | 5/8"  | 60 ATB  | .090 | Perma-SHIELD | Y      |
| LU91R012 | FRE  | 12"      | 1"    | 72 ATB  | .090 | Perma-SHIELD | Y      |

## Plexiglass & Plastics Blade

- Cuts acrylics, polycarbonates and other plastics, leaving a smooth finish without melting



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating    | Stock* |
|----------|------|----------|-------|---------|------|------------|--------|
| LU94M010 | FRE  | 10"      | 5/8"  | 80 MTCG | .110 | Silver ICE | Y      |

## Thin Kerf Double-Sided Laminate/Melamine Blade

- Gives ultra long life and excellent finish on the top and bottom of laminates, melamines and veneered plywood



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating      | Stock* |
|----------|------|----------|-------|---------|------|--------------|--------|
| LU96R010 | FRE  | 10"      | 5/8"  | 80 TCG  | .091 | Perma-SHIELD | Y      |

## Thin Kerf Crosscut Blade

- Crosscutting blade for fine finish with underpowered saws
- Coated blade pulls 1/3" less on the saw, which translates into 33% more cutting power, and the thin kerf removes less material, resulting in less horsepower required



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating      | Stock* |
|----------|------|----------|-------|---------|------|--------------|--------|
| LU88R012 | FRE  | 12"      | 1"    | 80 ATB  | .094 | Perma-SHIELD | Y      |

\*Y = stock item; A = readily available by order



# Wood Cutting Blades

## Diablo® Construction Series Saw Blades

Freud's Diablo saw blades are specially designed to meet the needs of the construction and remodeling market. Diablo saw blades have a thin kerf, making them ideal for portable and low-powered saws on the job site. The Perma-SHIELD® Hi-Performance Coating keeps Diablo blades free from gumming and corrosion, and laser-cut stabilizer vents reduce vibration and heat build-up for more precise cuts and longer cutting life.

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### Diablo General Purpose Blade

Ideal for cutting oak, pine, plywood, pressure-treated lumber and beams.



| Item # | Code | Diameter (in.)                  | Arbor (in./mm) | # Teeth | Grind | Hook Angle | Kerf (in.) | Stock* |
|--------|------|---------------------------------|----------------|---------|-------|------------|------------|--------|
| D1040A | FRE  | 10                              | 5/8"           | 40      | ATB   | 15         | .098       | Y      |
| D1244X | FRE  | 12                              | 1"             | 44      | ATB   | 15         | .098       | Y      |
| D1632X | FRE  | 16 <sup>5</sup> / <sub>16</sub> | 1"             | 32      | ATB   | 22         | .114       | Y      |

### Diablo Framing Blade

Ideal for general construction applications, including fast, efficient ripping and crosscutting.



| Item #           | Code | Diameter (in.)                | Arbor (in./mm) | # Teeth | Grind | Hook Angle | Kerf (in.) | Stock* |
|------------------|------|-------------------------------|----------------|---------|-------|------------|------------|--------|
| D0516X           | FRE  | 5 <sup>3</sup> / <sub>8</sub> | 10 mm          | 16      | ATB   | 18         | .049       | Y      |
| D0524X           | FRE  | 5 <sup>3</sup> / <sub>8</sub> | 10 mm          | 24      | ATB   | 18         | .049       | Y      |
| D0620X           | FRE  | 6                             | 1/2"           | 20      | ATB   | 18         | .049       | Y      |
| D0624X           | FRE  | 6 1/2                         | 5/8" Diamond   | 24      | ATB   | 18         | .059       | Y      |
| D0724A           | FRE  | 7 1/4                         | 5/8" Diamond   | 24      | ATB   | 15         | .059       | Y      |
| D0724DA          | FRE  | 7 1/4                         | 5/8" Diamond   | 24      | ATB   | 15         | .059       | Y      |
| D0724PX (2-pack) | FRE  | 7 1/4                         | 5/8" Diamond   | 24      | ATB   | 15         | .059       | Y      |
| D0824X           | FRE  | 8-8 1/4                       | 5/8" Diamond   | 24      | ATB   | 15         | .094       | Y      |

### Diablo Finish Blade

Ideal for smooth finish crosscuts in hardwood, softwood or plywood.



| Item # | Code | Diameter (in.)                | Arbor (in./mm) | # Teeth | Grind | Hook Angle | Kerf (in.) | Stock* |
|--------|------|-------------------------------|----------------|---------|-------|------------|------------|--------|
| D0436X | FRE  | 4 <sup>3</sup> / <sub>8</sub> | 20 mm          | 36      | ATB   | 5          | .049       | Y      |
| D0640X | FRE  | 6                             | 1/2"           | 40      | ATB   | 18         | .049       | Y      |
| D0740A | FRE  | 7 1/4                         | 5/8" Diamond   | 40      | ATB   | 15         | .059       | Y      |
| D0840X | FRE  | 8-8 1/4                       | 5/8" Diamond   | 40      | ATB   | 15         | .094       | Y      |
| D1296N | FRE  | 12                            | 1"             | 96      | TCG   | -5         | .091       | Y      |

### Diablo Combination Blade

Ideal for ripping and crosscutting wood and wood composites for a smooth finish.



| Item # | Code | Diameter (in.) | Arbor (in./mm) | # Teeth | Grind | Hook Angle | Kerf (in.) | Stock* |
|--------|------|----------------|----------------|---------|-------|------------|------------|--------|
| D1050X | FRE  | 10             | 5/8"           | 50      | ATB   | 15         | .098       | Y      |

### Diablo Ripping Blade

Ideal for general construction applications, including fast, efficient ripping and crosscutting.



| Item # | Code | Diameter (in.) | Arbor (in./mm) | # Teeth | Grind | Hook Angle | Kerf (in.) | Stock* |
|--------|------|----------------|----------------|---------|-------|------------|------------|--------|
| D1024X | FRE  | 10             | 5/8"           | 24      | ATB   | 15         | .098       | Y      |

### Diablo Fine Finish Blade

Ideal for trim carpenters, Diablo Fine Finish Blades leave a smooth surface that requires little to no sanding.



| Item # | Code | Diameter (in.) | Arbor (in./mm) | # Teeth | Grind | Hook Angle | Kerf (in.) | Stock* |
|--------|------|----------------|----------------|---------|-------|------------|------------|--------|
| D0860S | FRE  | 8 1/2          | 5/8"           | 60      | ATB   | 15         | .087       | Y      |
| D1060X | FRE  | 10             | 5/8"           | 60      | ATB   | 15         | .087       | Y      |
| D1280X | FRE  | 12             | 1"             | 80      | ATB   | 15         | .118       | Y      |

### Diablo Ultra Finish Blade

Flawless crosscuts in wood with minimal rework. Flawless finish in melamine and veneered plywood.



| Item # | Code | Diameter (in.) | Arbor (in./mm) | # Teeth | Grind  | Hook Angle | Kerf (in.) | Stock* |
|--------|------|----------------|----------------|---------|--------|------------|------------|--------|
| D1080X | FRE  | 10             | 5/8"           | 80      | Hi-ATB | 15         | .098       | Y      |

## Wood Cutting Blades

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### Solid Surface Blade

- Heavy-duty blade for swirl-free and burn-free cuts in solid surface materials



| Item #   | Code | Diameter | Arbor | # Teeth | Kerf | Coating      | Stock* |
|----------|------|----------|-------|---------|------|--------------|--------|
| LU95R010 | FRE  | 10"      | 5/8"  | 72 MTCG | .126 | Perma-SHIELD | Y      |

## Fiber Cement Board Cutting Blades

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### HardieBlade™ Fiber Cement Blade

*Ideal for all fiber cement products.*

HardieBlade is the only approved PCD (PolyCrystalline Diamond) tipped fiber cement blade recommended by James Hardie Building. HardieBlades are perfect for full-time use in heavy-duty applications like cutting multiple pieces of fiber cement board.



| Item #  | Code | Diameter (in.) | Arbor (in./mm) | # Teeth | Grind | Hook Angle | Kerf (in.) | Stock* |
|---------|------|----------------|----------------|---------|-------|------------|------------|--------|
| D0704DH | FRE  | 7 1/4          | 5/8"           | 4 PCD   | TCG   | 10         | .071       | Y      |

\*Y = stock item; A = readily available by order