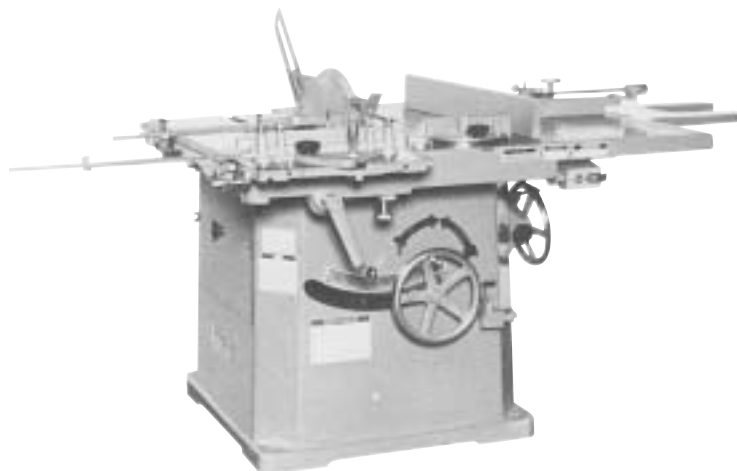




# Northfield Tilting Arbor Variety Saws

**Available with Many Options**



*Northfield Number 4 Tilting Arbor Variety Saw with 12" Extended Table to Right and Micrometer Adjust on Rack and Pinion Fence*

Northfield Tilting Arbor Variety Saws are available in four different models, each of which is designed for a variety of uses. Each model comes with an automatic electric brake, 110 volt at push button and can accommodate saws from 14" to 18". Available as options are table extensions, tilting fence, micrometer adjustment on rip fence, and various electrical options. Please call or write for information on their complete line.

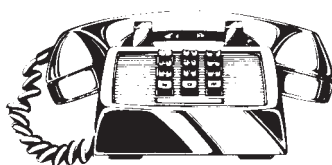
### **Accessories**

- Dado Extensions
- Table Extensions – 12", 24"  
36" Right or Left
- Tilting Fence

### **Specifications for No. 4**

(Standard)

- Saw capacity .....14", 16", 18"
- Saw arbor tilts .....0° - 45°
- Vertical saw adjustment .....4"
- Arbor speed (RPM) .....3600
- Motors .....5, 7-1/2 and 10 HP
- Arbor diameters .....1", 1-1/8", 1/4"
- Rip capacity  
(standard rack and pinion fence) .....32"
- Crosscut capacity .....32"
- Height of table .....34"
- Shipping weight .....1800 pounds



**For One-Stop  
Ordering  
Call Toll Free  
1-800-321-3170**

**Pattern Shop Machinery**

# Delta 10" Tilting Arbor Unisaw



## Rugged and Versatile

The Delta 10" Tilting Arbor Unisaw is one of the most popular cabinet model saws on the market today. Precision ripping, cross cutting, dadoing, moulding, and tenoning are accomplished with accuracy, even on a production basis.

The table on this rugged and durable machine is fully ribbed to prevent distortion. The triple V-belt drive transmits full power from the motor and reduces vibrations. The patented Jet-Lock Micro-Set® rip fence automatically aligns itself as it locks to the front guide rail, then locks securely to the rear guide rail, all with a single movement of the conveniently located operating handle.

The drive mechanism, including all belts, is completely contained in the steel cabinet to protect the operator. The saw blade tilts to the right, away from the hands of the operator. The unique Uniguard saw-blade guard provides protection for all sawing operations with practically no operational limitations. A "See-Thru" Swing-Type, Splitter Mounted Blade Guard with spring-loaded anti-kick-back fingers is also available.

### Standard Machine & Equipment

DELTA 10" TILTING ARBOR UNISAW® furnished with No. 34-545 pair of extension wings (one wing only supplied on models with UNIFENCE), blade guard, JET-LOCK rip fence or UNIFENCE™, No. 34-105 combination blade, No. 34-895 miter gauge, front guide bar, rear guide bar (not supplied on models with UNIFENCE™, No. 34-154 table insert, No. 41-644 motor pulley, (3/4" bore), No. 49-124 set of three matched V-belts, motor and controls.

### Accessories

- Delta No. 34-472 Extra-Long Guide Bars:
- Permits ripping to the center of a 100" panel.

Delta No. 34-843 Motor Cover

To order please specify Delta's Machine number, voltage, and accessories required.



*Delta 10" Tilting Arbor Unisaw Equipped with Splitter Mounted Guard.*

### Specifications

- Capacities:
- Maximum depth of cut .....3-1/8"
  - Maximum rip to right of blade:
    - Standard .....25"
    - With extra long guide bars (accessory) .....50"
  - Maximum rip to left of blade .....15-1/2"
  - Maximum thickness of cut at 45° .....2-1/8"
  - Distance, front of table to center of blade ...16-13/16"
  - Table in front of saw blade at maximum cut ...12-1/4"
  - Maximum width of dado .....13/16"
  - Diameter of Arbor .....5/8"
  - Diameter of Saw Blade .....10"
- Table:
- Height .....34"
  - Size .....20" x 27"
  - Size with extension wings .....36" X 27"
  - T-Slot miter gauge groove .....3/8" x 3/4"
- Rip Fence: Locked both front and back by single handle at front of machine.
- Overall Dimensions (with wings and guide bars):
- Height .....36-3/4"
  - Width .....45-3/8"
  - Depth .....35-3/4"
  - Speed (with 3450 RPM motor) .....4000 RPM

Delta Machine Number		60 Hz, 3450 RPM, TEFC Motor			Motor Controls
See Thru Guard/ Unifence	See Thru Guard/ Jet-Lock Fence	PH	HP	Voltage	
34-871F	34-761F	Single	1-1/2	115/230	Push button switch with overload
34-782F	34-763F	Single	3	230	24 volt push button station, magnetic starter, transformer, and overload protection (LVC)
34-783F	34-764F	Three	3	230/460	24 volt push button station, magnetic starter, transformer, and three-leg overload protection (LVC)

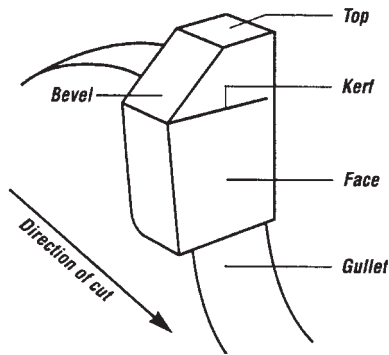
Pattern Shop Machinery



# Circular Saw Blades

## What You Should Know About Industrial 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 tooth grinds, a few of the 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) – for ripping and crosscutting, miter.



Tri-Grind (TRI) – combination grind.



Left Trim Grind (3/1) / Right Trim Grind (3/1) – good finish, one side only.



Solid Surface Grind (SSG) – for extremely dense man-made material.



High 30° ATB (MH) – chip-free cuts on Melamine and Plywood.

## General Purpose

For crosscut and cut-off of soft and hard woods.



Alternate Top Bevel (ATB)



Triple Chip Grind (TCG)

- Designed for use in a variety of cutting operations
- Ideal for ripping or crosscutting when using a single blade
- TCG grind ideal for man-made materials (hardboard, flake board, MDF, particle board, etc.)

Grind	Diameter in Inches	Bore in Inches	No. of Teeth	Plate	Kerf	Hook	Standard Shipping Pack	Catalog Number
ATB	8	5/8	48	.085-.087	.125-.130	15°	1	791C005
ATB	10	5/8	40	.085-.087	.125-.130	15°	1	791C006
ATB	12	1	48	.100-.102	.145-.150	15°	1	791C009
ATB	14	1	48	.110-.112	.155-.160	15°	1	791C008
ATB	16	1	48	.128-.130	.170-.175	15°	1	791C010
TCG	8	5/8	48	.085-.087	.125-.130	15°	1	791C011
TCG	10	5/8	40	.085-.087	.125-.130	15°	1	791C012
TCG	12	1	48	.100-.102	.145-.150	15°	1	791C013
TCG	14	1	48	.110-.112	.155-.160	15°	1	791C014

To order please specify catalog number and quantity desired.

# Circular Saw Blades



## Planer

For multi-purpose combination cuts on wood materials



- Primarily for hand-feed operations
- Teeth are specifically designed to allow for either rip or crosscutting
- For use on variety or table saws

Grind	Diameter in Inches	Bore in Inches	No. of Teeth	Plate	Kerf	Hook	Standard Shipping Pack	Catalog Number
MCT	8	5/8	40	.085-.087	.125-.130	10°	1	791C015
MCT	10	5/8	50	.085-.087	.125-.130	10°	1	791C016
MCT	12	1	60	.100-.102	.145-.150	10°	1	791C003
MCT	14	1	70	.110-.112	.155-.160	10°	1	791C004



Multi-Purpose Carbide Tipped (MCT)

## Radi-All®

For cutting all wood and plastic materials



- For general purpose, cut-off, trim and hand-feed mitering on radial arm saws
- Provides a steady feed flow through material, reducing overfeed on radial arm saws
- C-4 Dyanite® carbide teeth are tougher and more durable than any conventional grade of carbide

Grind	Diameter in Inches	Bore in Inches	No. of Teeth	Plate	Kerf	Hook	Standard Shipping Pack	Catalog Number
TRI	8	5/8	48	.085-.087	.125-.130	0°	1	791C017
TRI	10	5/8	24	.085-.087	.125-.130	0°	1	791C018
TRI	10	5/8	60	.085-.087	.125-.130	0°	1	791C019
TRI	12	1	36	.100-.102	.145-.150	0°	1	791C020
MCT	12	1	80	.100-.102	.145-.150	0°	1	791C021
TRI	14	1	48	.110-.112	.150-.155	0°	1	791C022
TRI	16	1	48	.128-.130	.160-.165	0°	1	791C023



Tri-Grind (TRI)



Multi-Purpose Carbide Tipped (MCT)

## Solid Surface

For long life in cutting extremely dense and abrasive man-made materials



- Designed to cut extremely dense and abrasive man-made materials (Fountain Head®, Corian®, Avonite®, Surell®, etc.)
- Special SSG grind with 45° bevel and smaller kerf cuts cleaner and faster
- Start cutting immediately without deflection
- C-4 Dyanite® carbide teeth are tougher and more durable than any conventional grade of carbide

Grind	Diameter in Inches	Bore in Inches	No. of Teeth	Plate	Kerf	Hook	Standard Shipping Pack	Catalog Number
SSG	10	5/8	60	.085-.087	.120-.125	10°	1	791C024
SSG	12	1	80	.100-.102	.140-.145	10°	1	791C025
SSG	14	1	100	.110-.112	.150-.155	10°	1	791C026



Solid Surface Grind (SSG)  
45° bevel for cutting extremely dense man-made material.

To order please specify catalog number and quantity desired.

Pattern Shop Machinery



# Delta 16" Radial Saw

## A Semi-Portable Model for Field and Shop Use

This semi-portable Radial Saw is built for production work. Has the required capacities that this type of manufacturing requires. Features "micro-set" miter stops, life-time trackways, convenient "up-front" operating controls, and a built in automatic electro-mechanical brake.

This machine has extra wide rip and cross cut capacities, safe blade guard, and positive table levelling jacks.

### Specifications

**Capacities:**

- Crosscut – 1" stock .....23"
  - Maximum rip .....37"
  - Maximum depth of cut:
    - Less leaf guard .....approx. 5"
    - With leaf guard .....approx. 4-3/4"
  - Maximum depth of cut at 45° bevel:
    - Less leaf guard .....approx. 2-1/2"
    - With leaf guard .....approx. 2-1/4"
  - Dado (with 10" dado) .....2-1/8" wide
- Diameters:**
- Saw arbor .....1"
  - Combination saw blade supplied .....16"
- Bevel Positive Stops .....0°, 45°, and 90°  
 Miter Positive Stops .....90° and 45°, R & L  
 Type of Track ...replaceable, hardened, nickel-alloy rods  
 Speed: (Full Load) .....3450 RPM  
 Overall Height .....56"  
 Floor Space Required .....30" x 37"  
 Table: (Wood)  
 Size .....32" x 42"  
 Height from floor .....32"  
 Shipping Weight .....610 pounds



### Standard Machine & Equipment

DELTA 16" RADIAL SAW includes totally enclosed, fan-cooled motor with automatic electro-mechanical brake; 16" blade guard with anti-kickback attachment; retractable leaf guard; 16" combination blade; rip position lock for carriage; adjustable cross-cut stop; steel legs; operating and maintenance instructions; necessary wrenches.

Delta Machine Number	60 Hz, 1725 RPM, TEFC Motor			Motor Controls
	PH	HP	Voltage	
33-071	Single	3	230	24 volt push button station, magnetic starter, transformer, and overload protection (LVC)
33-072	Three	5	230/460	24 volt push button station, magnetic starter, transformer, and three-leg overload protection (LVC)

To order please specify Delta's machine number and voltage.

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Call Toll Free  
1-800-321-3170**