



**CARDINAL**

---

Full Line Catalog



## **Cardinal Saws & Blades** ***A Bona Fide Industry Trailblazer***

In 1950, 62 years ago, Cardinal was founded and shortly thereafter became the World's Largest Exclusive Manufacturer of Diamond and Abrasive Blades for sawing concrete, asphalt and masonry materials such as brick, block and tile as well as stone and other products.

Cardinal has 64 patents in this field, more than all other members of this industry combined! Cardinal is the pioneer of grooving to prevent both highway vehicle skidding and aircraft hydroplaning as a result of experiments conducted by the National Space and Aeronautics Administration at Wallops Island, Virginia in the early 1960's.



*Cardinal Saws & Blades Facility*

### **OVER 80 BILLION LINEAL FEET SAWED!**

According to our records, Cardinal Blades have sawed most of the largest runways in the world including the Space Shuttle Landing Facility at Cape Kennedy and well over 1,000 civilian and military airports including the landing strip for the President's aircraft at Quantico, Virginia, O'Hare Airport- Chicago, JFK (the longest civilian runway in the US), and many, many others.

Cardinal is proud to be the oldest company under continuous management in AMERICA, manufacturing in AMERICA with AMERICAN workers. Many blade suppliers in this industry import blades from Europe, China, Thailand, India, Korea and Timbuktu. Foreign manufacturers do not use the most advanced technology available in the industry to produce a high quality product which allows talented workers to do a better job!

### **OUR GUARANTEE**

**A SUPERIOR QUALITY PRODUCT AT LOWER PRICES NOT AVAILABLE ANYWHERE IN THE WORLD.**

**Cardinal Saws and Blades**

100 Barren Hill Road • Conshohocken, PA 19428

**TOLL FREE (888) 503-3353**  
**FROM ANYWHERE IN THE WORLD!**



**CARDINAL**

Cardinal History.....	2
High Speed and General Purpose Blades	
Pro Blades and Walk Behind for Asphalt and Concrete .....	4
XP Ultra Premium Blades .....	5
UPPERCUT™ Early Entry Diamond Saw Blades.....	6 & 7
XP Ultra Premium Blade Specifications.....	8
Bevel/Radius Diamond Blades .....	9
Blades for Cardinal Green Machine™ Early Entry Concrete Saws.....	10
Skid Plate Refurbishment Kits .....	11 & 12
Specifications and Comparison Tables.....	13 & 14
Rapid Rabbit™ Crack Chasers .....	15 & 16
Bevel Devil™ .....	17 & 18
Cardinal CreteMaster Walk-Behind and Self-Propelled	
Universal Concrete Saws .....	19 & 20
Early Entry Green Concrete Saw - The Green Machine™ .....	21 & 22
Growler, Growler Jr., and Chisler .....	23 & 24
The Lazer Razor.....	25
Hydraulic Power Pack .....	26
Performance Guarantee .....	back cover



# High Speed and General Purpose Blade and Pro Blades/Walk-Behind for Asphalt and Concrete



## Premium Universal Segmented

- Quick cutting on a wide array of materials including reinforced concrete and asphalt
- 1"/20mm arbor
- Available in 12", 14" and 16" sizes

## High Speed Blade & General Purpose Blades

BLADE DIAMETER	BLADE THICKNESS	PART # AND COLOR
12"	0.110"	XX 12110 XX HS
	0.125"	XX 12125 XX HS
14"	0.125"	XX 14125 XX HS
	0.187"	XX 14187 XX HS
	0.250"	XX 14250 XX HS
16"	0.125"	XX 14250 XX HS

## Part Number Break Down - XXDDTTTASKK

XX = CC for Cured Concrete, AC for Asphalt, AO for Asphalt Over Concrete, CW for Wet Cutting Concrete, AW for Wet Cutting Asphalt, EE for Early Entry

DD = Diameter of Blade in Inches, 12" 14", 16", etc.

TTT = Thickness of blade in 3 decimal point format 125= 0.125", 250= 0.250", etc

A = Arbor Style, 1=1", 2=20mm, U=Universal Arbor

S = Bond Spec, 1=Softest Bond, 5=Hardest Bond

KK = Kind of Blade, HS= High Speed, LW= Low Horsepower Walk Behind, HW= High Horsepower Walk Behind, WS= Wall Saw, MB= Masonry Blade, GP= General Purpose

Example: CC14125U4HS = Cured Concrete 14" Diameter, 0.125" Thick, Universal Arbor, Medium Bond, High Speed Blade

**Please call your Sales Representative for Proper Bond Selection.**

## Pro, Wall & Walk-Behind Blades

BLADE DIAMETER	BLADE THICKNESS	PART # AND COLOR
14"	0.125"	XX 14125 XXXX
	0.145"	XX 14145 XXXX
	0.187"	XX 14187 XXXX
	0.250"	XX 14250 XXXX
	0.375"	XX 14375 XXXX
16"	0.125"	XX 16125 XXXX
	0.145"	XX 16145 XXXX
	0.160"	XX 16160 XXXX
18"	0.125"	XX 18125 XXXX
	0.145"	XX 18145 XXXX
	0.165"	XX 18165 XXXX
	0.187"	XX 18187 XXXX
20"	0.125"	XX 18187 XXXX
	0.145"	XX 20145 XXXX
	0.160"	XX 20160 XXXX
24"	0.145"	XX 20160 XXXX
	0.160"	XX 24160 XXXX
	0.175"	XX 24175 XXXX
	0.187"	XX 24187 XXXX
26"	0.145"	XX 24187 XXXX
	0.187"	XX 26187 XXXX
	0.250"	XX 26250 XXXX
28"	0.187"	XX 28187 XXXX
30"	0.160"	XX 30160 XXXX
	0.187"	XX 30160 XXXX
	0.250"	XX 30250 XXXX
32"	0.160"	XX 30250 XXXX
	0.187"	XX 32187 XXXX
	0.220"	XX 32220 XXXX
	0.250"	XX 32250 XXXX
36"	0.160"	XX 32250 XXXX
	0.187"	XX 36187 XXXX

# CARDINAL UPPERCUT™ and UPPERCUT XP ULTRA PREMIUM™ PERFORMANCE

## DIAMOND SAW BLADES...

**The most cost-effective solution to random cracking in green concrete for exclusive use on CARDINAL, as well as, competitors early entry concrete saws.**

### ***Eliminates Raveling***

Uses a maximum concentration of high quality, virgin diamond, scientifically distributed and blended in each segment of the saw blade.

### ***Longer Blade Life/ Lower Labor Costs***

Manufactured with exclusive, Hi-retention® bonds that secure the diamonds longer and cut faster.

### ***Precision Blade Balance and Alignment***

Blade segments are electronically welded to special fatigue-resistant high alloy steel blanks. Each blade is precision-tensioned.

### ***Tremendous Flexibility and Cost Savings***

Uniquely shaped arbor hole with World-wide Patent assures a perfect fit – without adaptors – on all Cardinal and our competitors Early Entry Saws for cutting Green Concrete.

### ***Cleaner/Smother Joints***

Innovative 'Gem Diamond Universal Arbor' with detensos aid in eliminating blade vibration.

### **CARDINAL UPPERCUT™ BLADES**

are available in seven different matrix specifications for efficient cutting of all aggregates. All diameter blade sizes are available as well as blades of various thicknesses to conform to specific specification requirements.



## **GUARANTEED TO CUT FASTER, LAST LONGER, AND SAVE UP TO 60% OVER COMPETITORS BLADES!**



**Cardinal Saws & Blades**  
100 Barren Hill Road, Conshohocken, PA 19428  
1-888-503-3353 • Fax 1-888-504-4434  
All Major Credit Cards Accepted • Same Day Shipping  
\*SOFF-CUT is a registered trademark of Soff-Cut International, Inc.  
© Cardinal Saws & Blades, Inc. 2010

Combining over 60 years of manufacturing and engineering experience and the latest technology aided Cardinal in the development of its UPPERCUT™ and XP Ultra Premium Early Entry Diamond Saw Blades.

Concrete contractors will appreciate Cardinal's UPPERCUT™ blade's rapid and precision cutting performance, longer-lasting durability over other competitive diamond blades and its superior flexibility in producing perfect joints.

Add a cost savings as high as 60% over blades sold by the leading early entry saw manufacturer and a performance guarantee and you have the most cost-effective solution to random cracking in green concrete – Cardinal UPPERCUT™ Diamond Saw Blades.

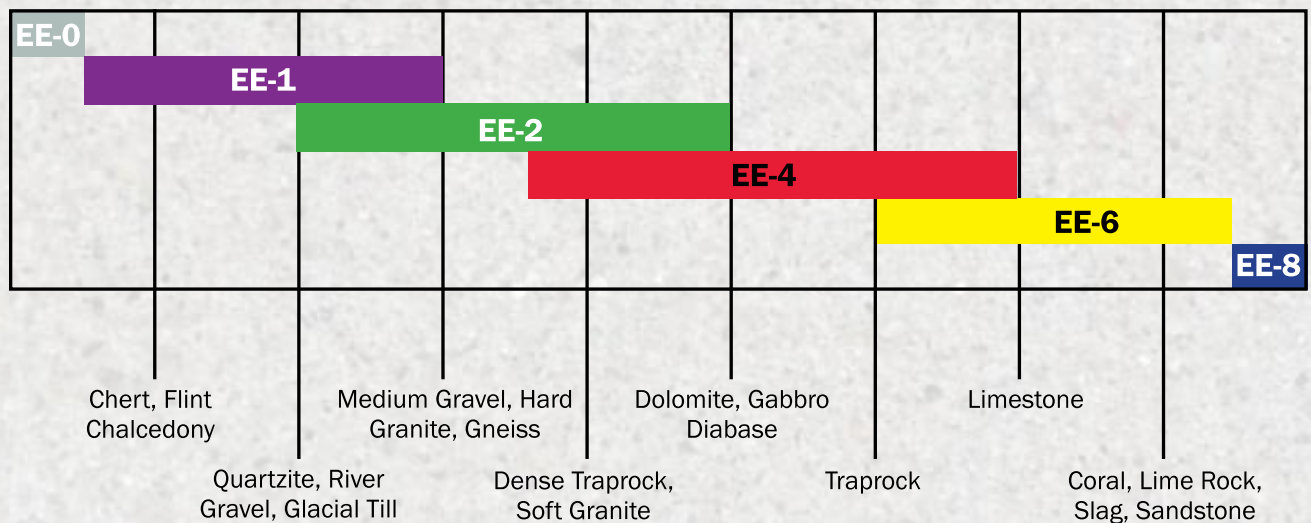
Cardinal manufacturers Boot 'em™ and Cast Away™ Skid Plate Refurbishment Kits which are available for all models of Soff-Cut™ Saws.

For more information about Cardinal Diamond Saw Blades, or to place an order, call TOLL FREE: 1-888-503-3353 today!



# Cardinal UPPERCUT™ Early Entry Diamond Saw Blades

**The industry's most cost effective  
solution to random cracking in green  
concrete**



**Note:** When selecting the correct blade specification the EE-0 is the fastest cutting for any aggregate. As you go up the scale to EE-6 and EE-8 the blade speed will decrease but the life of the blade will increase dramatically. For example, the EE-8 specification would be recommended for cutting soft aggregates such as limestone with the lowest unit blade cost. If you want to avoid blade changing, use either EE-4 or EE-6, these specification will cut practically any aggregate. Also remember as diamond blade bond hardness increases, (from EE-0 to EE-8), sharper sand is required to avoid significant loss of cutting speed.



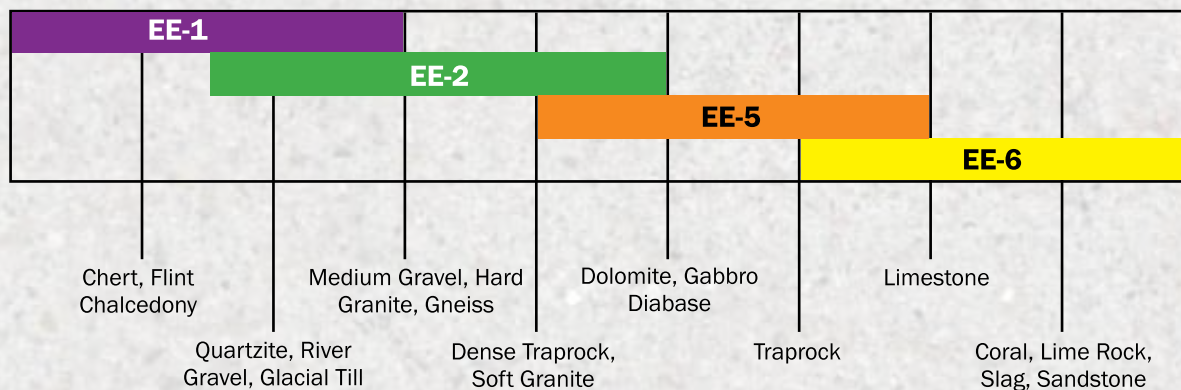
**CARDINAL**

# XP Ultra™ Premium Arranged Diamond for Faster Cutting



Blades available in purple, green, orange, and yellow.

## Blade Selection Guide for Sawing Green Concrete



**Note:** When selecting the correct blade specification the EE-1 is the fastest cutting for any aggregate. As you go up the scale to EE-6 the blade speed will decrease but the life of the blade will increase dramatically. For example, the EE-6 specification would be recommended for cutting soft aggregates such as limestone with the lowest unit blade cost. If you want to avoid blade changing, use either EE-2 or EE-5, these specification will cut practically any aggregate. Also remember as diamond blade bond hardness increases, (from EE-1 to EE-6), sharper sand is required to avoid significant loss of cutting speed.

Blade Diameter	Blade Thickness	Arbor
10"	.100"	Gem Diamond
12"	.120"	Gem Diamond
13.5"	.120"	Gem Diamond
14"	.120"	Gem Diamond

See blade specifications on next page



# XP Ultra™ Premium Blade Specifications

<i>BLADE DIAMETER</i>	<i>BLADE THICKNESS</i>	<i>PART # AND COLOR</i>	<i>SPECIFICATION</i>
10"	0.100"	X100GCZ1 PURPLE	EE-1
		X100GCZ2 GREEN	EE-2
		X100GCZ5 ORANGE	EE-5
		X100GCZ6 YELLOW	EE-6
10"	0.380	X100MMCZ2 GREEN	EE-2
		X100MMCZ5 ORANGE	EE-5
		X100MMCZ6 YELLOW	EE-6
12"	0.250"	X120CCZ1 PURPLE	EE-1
		X120CCZ2 GREEN	EE-2
		X120CCZ5 ORANGE	EE-5
		X120CCZ6 YELLOW	EE-6
12"	0.500	X120ZZCZ1 PURPLE	EE-1
		X120ZZCZ2 GREEN	EE-2
		X120ZZCZ5 ORANGE	EE-5
		X120ZZCZ6 YELLOW	EE-6
13 1/2"	0.250"	X135CCCZ1 PURPLE	EE-1
		X135CCCZ2 GREEN	EE-2
		X135CCCZ5 ORANGE	EE-5
		X135CCCZ6 YELLOW	EE-6
14"	0.120"	X140GCZ1 PURPLE	EE-1
		X140GCZ2 GREEN	EE-2
		X140GCZ5 ORANGE	EE-5
		X140GCZ6 YELLOW	EE-6



**CARDINAL**

# Bevel/Radius Diamond Blades

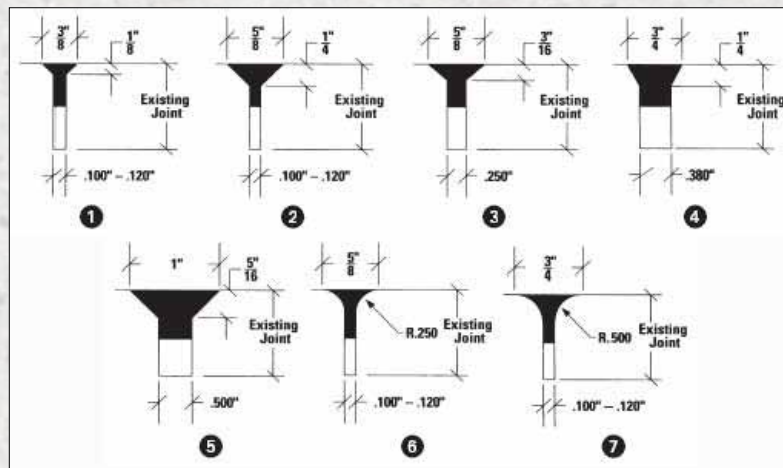


Gem Diamond Arbor for use on Soff-Cut™ Saws



Z-Triangle Arbor for use on CARDINAL Saws

**The absolutely finest diamond blades for beveling 1/8", 3/16", 1/4" and 5/16" also for rounding 1/4" and 1/2"**



**Cardinal Uppercut™ proprietary, advanced technology, vacuum brazed blades produce perfect configuration for the entire life of the blade and can cost up to 50% less. Compare our prices.**

DIA	DIMENSIONS, INCHES			FIGURE NUMBER ABOVE	PART NUMBER	
	SAW CUT WIDTH	45° BEVEL	RADIUS		CARDINAL GEM	CARDINAL Z-TRIANGLE
6	.100-.120	1/8	NA	1	GV-21	ZV-21
6	.100-.120	1/4	NA	2	GV-23	ZV-23
6	.250	3/16	NA	3	GV25	ZV25
6	.380	1/4	NA	4	GV-38	ZV-38
6	.500	5/16	NA	5	GV-500	ZV-500
6	.100-.120	NA	1/4	6	ZR-250	ZR-250
6	.100-.120	NA	1/2	7	GR-500	ZR-500

**Note:** Radius/V-Blade Kit furnished by SOFF-CUT™ required when using any of the above blade on any model SOFF-CUT™ Saw. **Important Note:** SOFF-CUT™, Cardinal and Uppercut® are registered trade names and trademarks of SOFF-CUT™, International, Inc. or Cardinal Saws & Blades, Inc. respectively. Cardinal is in no way affiliated with SOFF-CUT™, International, Inc.

Covered by one or more of the following Cardinal US and Foreign Patents and other Patents Pending: 6,651,644, 2,514,826, 2,818,058, 2,836,168, 3,001,530, 3,005,450, 3,027,885, 3,027,866, 3,190,045, 3,248,824, 3,301,601, 3,340,863, 3,747,981, 3,789,607, 3,778,810, 3,788,704, R25,077, D196,447, 121,884, 212,475, 262,219, 212,253, 289,687, 279,483, 289,686, 762,384, 102,977, 710,368, 923,577, 124,642, 58,916, 675,996, 673,996, 673,388, 954,734, 63688/71, 2,080,516, 6545/71, P210771.4, 1,297,887, 1959/71, 24365/71, 7101424, 62543, 71/5408



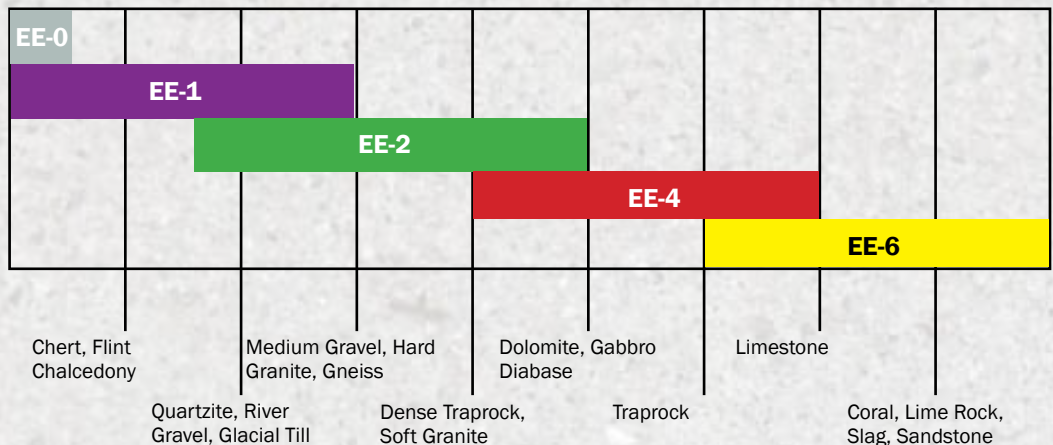
# Blades for Cardinal Green Machine™ Early Entry Concrete Saws

BLADE DIAMETER	BLADE THICKNESS	PART NUMBER AND COLOR	SPECIFICATION
6.5"	0.095"	065ZGA1 PURPLE	EE-1
6.5"	0.095"	065ZGA1 GREEN	EE-2
6.5"	0.095"	065ZGA4 RED	EE-4
6.5"	0.095"	065ZGA6 YELLOW	EE-6
6.5"	0.225"	065ZGE1 PURPLE	EE-1
6.5"	0.225"	065ZGE2 GREEN	EE-2
6.5"	0.225"	065ZGE4 RED	EE-4
6.5"	0.225"	065ZGE6 YELLOW	EE-6
8.5"	0.100"	085ZGA1 PURPLE	EE-1
8.5"	0.100"	085ZGA1 GREEN	EE-2
8.5"	0.100"	085ZGA4 RED	EE-4
8.5"	0.100"	085ZGA6 YELLOW	EE-6
8.5"	0.225"	085ZGE1 PURPLE	EE-1
8.5"	0.225"	085ZGE2 GREEN	EE-2
8.5"	0.225"	085ZGE4 RED	EE-4
8.5"	0.225"	085ZGE6 YELLOW	EE-6
14"	0.120	EE14120Z0LW GREY	EE-0
14"	0.120	EE14120Z1LW PURPLE	EE-1
14"	0.120	EE14120Z2LW GREEN	EE-2
14"	0.120	EE14120Z4LW RED	EE-4
14"	0.120	EE14120Z6LW YELLOW	EE-6
14"	0.250	EE14250Z0LW GREY	EE-0
14"	0.250	EE14250Z1LW PURPLE	EE-1
14"	0.250	EE14250Z2LW GREEN	EE-2
14"	0.250	EE14250Z4LW RED	EE-4
14"	0.250	EE14250Z6LW YELLOW	EE-6
14"	0.380	EE14380Z0LW GREY	EE-0
14"	0.380	EE14380Z1LW PURPLE	EE-1
14"	0.380	EE14380Z2LW GREEN	EE-2
14"	0.380	EE14380Z4LW RED	EE-4
14"	0.380	EE14380Z6LW YELLOW	EE-6
14"	0.500	EE14500Z0LW GREY	EE-0
14"	0.500	EE14500Z1LW PURPLE	EE-1
14"	0.500	EE14500Z2LW GREEN	EE-2
14"	0.500	EE14500Z4LW RED	EE-4
14"	0.500	EE14500Z6LW YELLOW	EE-6



**Note:** When selecting the correct blade specification the EE-1 is the fastest cutting for any aggregate. As you go up the scale to EE-6 and EE-8 the blade speed will decrease but the life of the blade will increase dramatically. For example, the EE-8 specification would be recommended for cutting soft aggregates such as limestone with the lowest unit blade cost. If you want to avoid blade changing, use either EE-2 or EE-6, these specification will cut practically any aggregate. Also remember as diamond blade bond hardness increases, (from EE-1 to EE-8), sharper sand is required to avoid significant loss of cutting speed.

## Blade Selection Guide for Sawing Green Concrete





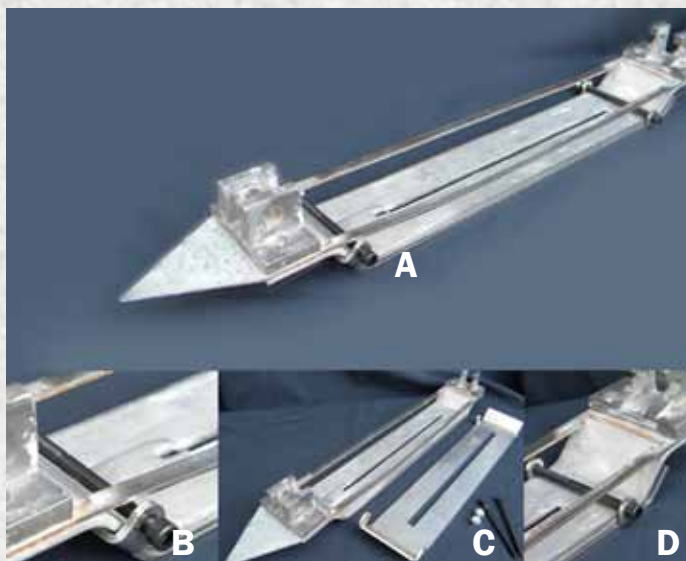
**CARDINAL**

## **Skid Plate Refurbishing Kits for Husqvarna/Soff-Cutt™**

Cardinal Skid Plate Refurbishment Kits are now available for the old style skid plate that consisted of an assembly and the new style skid plate which is a cast aluminum alloy. Although price the same, the two refurbishment kits are NOT interchangeable. To ensure you order the correct kit, compare your existing skid with the photos below. If you have an old style skid plate you will need to add a 'B' for Boot 'em™ at the end of the correct length. On the other hand if you have a cast aluminum alloy you will need to add a 'C' for Cast Away™ at the end of the part number.

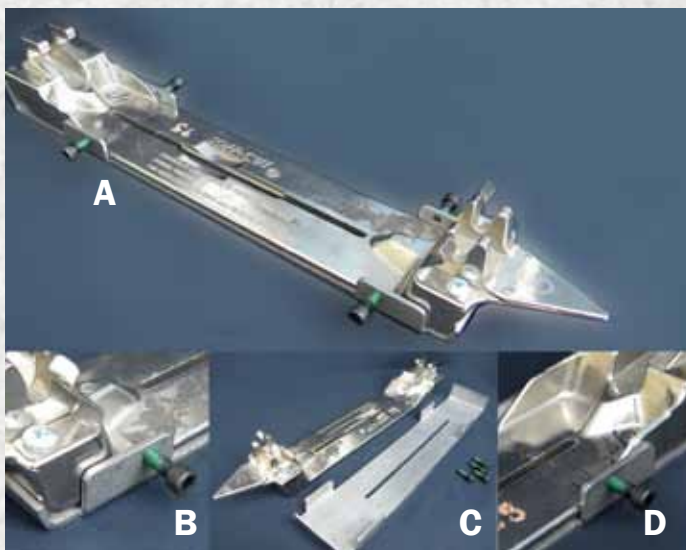
### **Boot 'em™**

- A. Complete assembly**
- B. Rear socket head cap screw**
- C. Complete kit**
- D. Front socket head cap screw**



### **Cast Away™**

- A. Complete assembly**
- B. Insert front into plate and tighten securely**
- C. Complete kit**
- D. Rear socket head cap screw**



See refurbishing kit sizing information on next page



# Skid Plate Refurbishing Kit Sizes for Husqvarna/Soff-Cut™ Saws

STANDARD THICKNESS BLADES		
BLADE DIAMETER	BLADE THICKNESS	PART NUMBER LIST
5" AND 5.5"	0.095"	050 055 ____
6" AND 8"	0.095"	060 080 ____
9" AND 10"	0.100"	090 100 ____

THICK BLADES		
BLADE DIAMETER	BLADE THICKNESS	PART NUMBER LIST
5.15"	0.225"	050 225 ____
6" AND 8"	0.225"	060 225 ____
9" AND 10"	0.250"	090 250 ____
9" AND 10"	0.380"	090 380 ____
9" AND 10"	0.500"	090 500 ____

FOR X-4000 AND GX-4200 SAWS		
BLADE DIAMETER	BLADE THICKNESS	PART NUMBER LIST
12" AND 13.5"	0.120"	120 135 ____
12" AND 13.5"	0.250"	120 250 ____
12" AND 13.5"	0.380"	120 380 ____
12" AND 13.5"	0.500"	120 500 ____

FOR X-5000 PAVER SAWS		
BLADE DIAMETER	BLADE THICKNESS	PART NUMBER LIST
12" thru 14"	0.120"	140 120 ____
12" thru 14"	0.250"	140 250 ____
12" thru 14"	0.380"	140 380 ____
12" thru 14"	0.500"	140 500 ____

**Note:** Boot 'em™ Refurbishment Kits for any thickness blades must be applied to an original Soff-Cut™ skid plate of the same blade thickness. If you do not already have a Soff-Cut™ skid plate for use with thick blades, we can machine your standard width plate at a charge of \$25.



**CARDINAL**

# Specifications and Comparison Tables

## Diamond Blade Comparison Chart – Soff-Cut™ vs. Cardinal UPPERCUT™

UPPERCUT™ Dry Diamond Blades for fast cutting perfect joints in green concrete for use on ANY Soff-Cut™ early entry concrete saw.

## Blade Comparison Chart – Cardinal vs. Soff Cut™ **Standard Thickness** Blades for Green Concrete

BLADE DIAMETER	BLADE THICKNESS	PART NUMBER AND COLOR		CARDINAL SPECIFICATION
		SOFF-CUT	CARDINAL	
5"	0.095"	N/A XL5-3000A RED XL5-5000A YELLOW	050DCK2 GREEN 050DCK4 RED 050DCK6 YELLOW	EE-2 EE-4 EE-6
5 1/2"	0.095"	N/A N/A XL55-3000A RED XL55-5000A YELLOW	055DCK1 PURPLE 055DCK2 GREEN 055DCK4 RED 055DCK6 YELLOW	EE-1 EE-2 EE-4 EE-6
6"	0.095"	N/A XL6-1000 PURPLE XL6-2000 GREEN XL6-3000 RED XL6-5000 YELLOW XL6-6000 BLACK	060DCK0 GREY 060DCK1 PURPLE 060DCK2 GREEN 060DCK4 RED 060DCK6 YELLOW N/A	EE-0 EE-1 EE-2 EE-4 EE-6 EE-8
8"	0.100"	N/A XL8-1000 PURPLE XL8-2000 GREEN XL8-3000 RED XL8-5000 YELLOW XL8-6000 BLACK	080DCK0 GREY 080DCK1 PURPLE 080DCK2 GREEN 080DCK4 RED 080DCK6 YELLOW N/A	EE-0 EE-1 EE-2 EE-4 EE-6 EE-8
9"	0.100"	N/A XL9-3000 RED XL9-35000 YELLOW N/A	090DCK0 GREY 090DCK2 GREEN 090DCK4 RED 090DCK6 YELLOW	EE-0 EE-2 EE-4 EE-6
10"	0.100"	N/A XL10-1000 PURPLE XL10-2000 GREEN XL10-3000 RED XL10-5000 YELLOW XL10-6000 BLACK	100GCZ0 GREY 100GCZ1 PURPLE 100GCZ2 GREEN 100GCZ4 RED 100GCZ6 YELLOW N/A	EE-0 EE-1 EE-2 EE-4 EE-6 EE-8
12"	0.120"	N/A XL12-1000 PURPLE XL12-2000 GREEN XL12-3000 RED XL12-5000 YELLOW XL12-6000 BLACK	120GCZ0 GREY 120GCZ1 PURPLE 120GCZ2 GREEN 120GCZ4 RED 120GCZ6 YELLOW N/A	EE-0 EE-1 EE-2 EE-4 EE-6 EE-8
13 1/2"	0.120"	N/A XL14-1000 PURPLE XL14-2000 GREEN XL14-3000 RED XL14-5000 YELLOW XL14-6000 BLACK	135GCZ0 GREY 135GCZ1 PURPLE 135GCZ2 GREEN 135GCZ4 RED 135GCZ6 YELLOW N/A	EE-0 EE-1 EE-2 EE-4 EE-6 EE-8
14"	0.120"	N/A PV14-2000 GREEN PV14-3000 ORANGE XL6-6000 BLACK N/A	140GCZ0 GREY 140GCZ1 PURPLE 140GCZ2 GREEN 140GCZ4 RED 140GCZ6 YELLOW	EE-0 EE-1 EE-2 EE-4 EE-6



**CARDINAL**

# Specifications and Comparison Tables

## Diamond Blade Comparison Chart – Soff-Cut™ vs. Cardinal UPPERCUT™

UPPERCUT™ Dry Diamond Blades for fast cutting perfect joints in green concrete for use on ANY Soff-Cut™ early entry concrete saw.

## Blade Comparison Chart – Cardinal vs. Soff Cut™

**Thick** Blades for Wider Joints Green Concrete

BLADE DIAMETER	BLADE THICKNESS	PART NUMBER AND COLOR		CARDINAL SPECIFICATION
		SOFF-CUT	CARDINAL	
5.16"	0.225"	N/A XL5S310-3000A RED	050AACK2 GREEN 050AACK4 RED	EE-2 EE-4
6"	0.225"	N/A XL6-S225-3000A RED	060AACK2 GREEN 060AACK4 RED	EE-2 EE-4
8"	0.225"	N/A XL8S225-3000 RED XL8S225-5000 YELLOW	080AACK2 GREEN 080AACK4 RED 080AACK6 YELLOW	EE-2 EE-4 EE-6
10"	0.250"	N/A XL10S14-3000 RED XL10S14-5000 YELLOW	0100CCCZ2 GREEN 0100CCCZ4 RED 0100CCCZ6 YELLOW	EE-2 EE-4 EE-6
10"	0.380"	N/A XL-10S38-3000 RED XL-10S38-5000 YELLOW	100MMCZ2 GREEN 100MMCZ4 RED 100MMCZ6 YELLOW	EE-2 EE-4 EE-6
12"	0.250"	N/A PV12S14-2000 GREEN XL12S14-3000 RED XL12S14-5000 YELLOW	120CCCZ1 PURPLE 120CCCZ2 GREEN 120CCCZ4 RED 120CCCZ6 YELLOW	EE-1 EE-2 EE-4 EE-6
12"	0.380"	N/A N/A XL12S38-3000 RED XL12S38-5000 YELLOW	120MMCZ1 PURPLE 120MMCZ2 GREEN 120MMCZ4 RED 120MMCZ6 YELLOW	EE-1 EE-2 EE-4 EE-6
12"	0.500"	N/A PV12S50-2000 GREEN XL12S50-3000 RED XL12S50-5000 YELLOW	120ZZCZ1 PURPLE 120ZZCZ2 GREEN 120ZZCZ4 RED 120ZZCZ6 YELLOW	EE-1 EE-2 EE-4 EE-6
13.5"	0.250"	N/A N/A XL14S14-3000 RED XL14S14-5000 YELLOW	135CCCZ1 PURPLE 135CCCZ2 GREEN 135CCCZ4 RED 135CCCZ6 YELLOW	EE-1 EE-2 EE-4 EE-6
13.5"	0.380"	N/A N/A XL14S38-3000 RED XL14S38-5000 YELLOW	135MMCZ1 PURPLE 135MMCZ2 GREEN 135MMCZ4 RED 135MMCZ6 YELLOW	EE-1 EE-2 EE-4 EE-6
14"	0.250"	N/A PV14S14-2000 GREEN PV14S14-4000 ORANGE PV14S14-6000 BLACK	140CCCZ1 PURPLE 140CCCZ2 GREEN 140CCCZ4 RED 140CCCZ6 YELLOW	EE-1 EE-2 EE-4 EE-6
14"	0.380"	N/A PV14S38-2000 GREEN PV14S38-4000 ORANGE PV14S38-6000 BLACK	140MMCZ1 PURPLE 140MMCZ2 GREEN 140MMCZ4 RED 140MMCZ6 YELLOW	EE-1 EE-2 EE-4 EE-6



**CARDINAL**

## **Rapid Rabbit™ Crack Chasers**

**The industry's fastest, easiest-to-use equipment for routing random cracks in concrete and asphalt.**



**Available with 14.0 HP and 22 HP Subaru gas engines for every size job.**

*Features:*

- Extremely operator friendly
- Center mounted blade makes following random cracks easy and accurate
- Rapid Rabbit™ Crack Chaser are safer to operate than carbide cutter units
- Eliminates percussive fractures often caused by carbide cutters
- Uses economical CARDINAL Diamond Blades for extra smooth routing of even the most erratic random cracks
- Depth of cut indicator directly in operator's line of sight minimizes cutting too deep and saves on sealant costs
- Patented Z-Triangle Arbor prevents blade from turning on arbor eliminating the need to replace expensive spindle shafts
- Produces a perfect sealant reservoir for maximum pavement life
- Standard options include dry cutting with spray mist and vacuum attachment
- Push button electric depth control on the handle
- Subaru engine with Cyclone air filter for extended engine life

See additional Rapid Rabbit™ specifications on next page



# Rapid Rabbit™ Technical Specifications



Model	RR-22	RR-14.0
Materials cut	Cured concrete and asphalt	Cured concrete and asphalt
Blade Width	.250", .375", .500", .750"	.250", .375", .500"
Blade Rotation	Down-cut as viewed by operator	Down-cut as viewed by operator
Blade Shaft Speed	4600 rpm	4600 rpm
Cutting Depth	1-1/2" (38mm) 1-1/4" end-of-life	1-1/2" (38mm) 1-1/4" end-of-life
Dimensions		
Handle Up Most Position	46"x31"x53"	43"x24"x50"
Handle Down Most Position	64"x31"x38"	62"x24"x29"
Engine	22HP (16.4KW) Subaru Robin Model EH-65, air cooled, 4 cycle, V-Twin cylinder, overhead valve gasoline engine	14.0HP (9.9KW) Subaru Robin Model EX40, air cooled, 4 cycle, single slant cylinder, overhead valve gasoline engine
Starting System	Electric Start with automatic mechanical compression release and zero kick back	Manual recoil starter/Electric Start with automatic mechanical compression release and zero kick back
Air Filter	Heavy Duty	Dual element cleaner; Cyclone filter
Oil System	Oil alert with automatic shutdown sensor	Oil alert with automatic shutdown sensor
Blade Raise/Lower System	Electric actuated with switch on handle bar	Electric actuated with switch on handle bar
Handle	Six position adjustable	Six position adjustable
Wheels	Hard polyurethane or foam filled	Hard polyurethane
Weight/Shipping Weight	470 pounds	270 pounds

BLADE DIAMETER	BLADE THICKNESS	ASPHALT PART #	CONCRETE PART #
6"	0.250"	R62504	R62501
6"	0.375"	R63754	R63751
6"	0.500"	R65004	R65001
6"	0.750"	R67504	R67591

6" BEVEL BLADE	
R63751B	6"x 0.375
R65001B	6"x 0.500
6" WIRE BRUSH	
WB6250	6"x 0.250
WB6375	6"x 0.375
WB6500	6"x 0.500

Approx. Existing Crack Width	Finished Routed Width
1/4"	3/8"
3/8"	1/2"
1/2"	5/8"
3/4"	7/8"
1"	1 1/8"

**Warning:** Engine exhaust from this product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. **Before operation be certain you comply with ANSI Codes B 7. 1 and B 7.5 copies of which are available from the American National Standards Institute, 1430 Broadway, New York, NY 10018**



**CARDINAL**

## **Bevel Devil™**



- Bevel or round joint cutting.
- Random decorative or straight line cutting.
- Electromechanical depth control and blade wear compensation on decorative model.
- More than 6 different size blades for any job!
- Self-propelled optional on straight line model.
- Vacuum systems for EPA compliance

### **Bevel Devil™ Straight Line**

Model # BDSL - For bevel, radius or square cutting of existing saw cut joints and scoring of cured concrete. Available in self-propelled or push styles .

### **Bevel Devil™ Decorative\***

Model # BDDC - For decorative bevel or radius of cured concrete, scoring of existing saw cuts and square cutting or decorative surfaces.

*\* (Decorative model available with blade wear compensation for use with Cardinal's Premium line of Bevel, Radius and Square Diamond Blades.)*

- 4.5 H.P. Robin engine standard on all push models (6 H.P. Optional).
- 6 H.P. Robin engine standard on self propelled BDSL.
- 1-1/2" vacuum dust boot standard on all models.
- 5400 RPM blade spindle, 3/4" spindle shaft with sealed bearings and Patented "Z" Arbor.

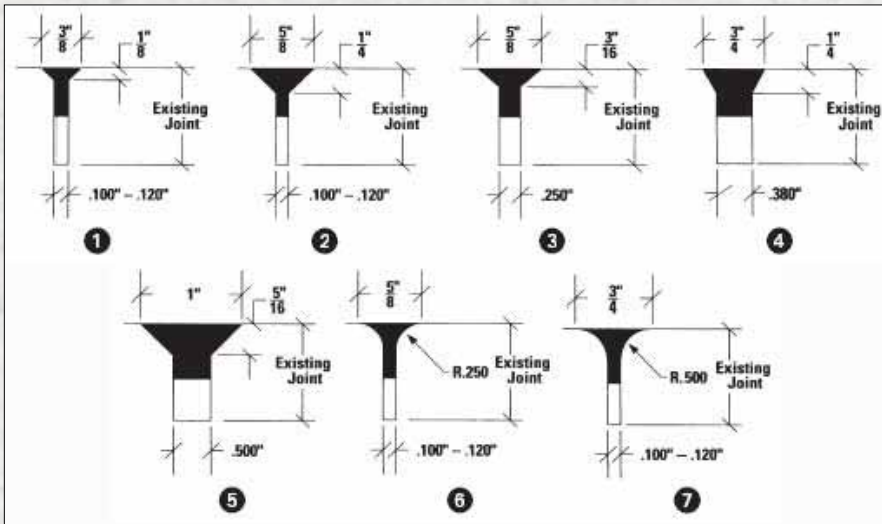


# Bevel Devil™

## Technical Specifications



	BDSL	BDSLSP	BDDC
Dimensions W x L (with handle extended)	16"x 49"	16"x 49"	22"x 50"
Oil System	Oil alert with automatic shutdown sensor		
Air Filter	Dual element cleaner; Cyclone filter		
Weight	110 lbs	146 lbs	



DIA	DIMENSIONS, INCHES			FIGURE NUMBER ABOVE	CARDINAL PART NUMBER
	SAW CUT WIDTH	45° BEVEL	RADIUS		
6	.100-.120	1/8	NA	1	ZV-21
6	.100-.120	1/4	NA	2	ZV-23
6	.250	3/16	NA	3	ZV25
6	.380	1/4	NA	4	ZV-38
6	.500	5/16	NA	5	ZV-500
6	.100-.120	NA	1/4	6	ZR-250
6	.100-.120	NA	1/2	7	ZR-500



**CARDINAL**

## **Cardinal CreteMaster™ Walk-Behind and Self-Propelled Concrete Saws**

**Available with a 6 HP, 9 HP or 14.0 HP gas engine delivers  
an immediate boost to your bottom line.**

- An easier to use, larger model concrete saw for wet or dry cutting, water jet included as standard equipment.
- An ideal solution for industrial and commercial projects.



See Crete Master specifications on next page



# CreteMaster™ Specifications

Specifications	CM600	CM900	CM140
<b>Dimensions</b>	Handle collapsed - 16"W X 42"L, Handle extended - 16"W X 49"L	Handle collapsed - 16"W X 42"L, Handle extended - 16"W X 49"L	67"L X 28-1/2"W X 44"H
<b>Weight</b>	149 lbs.	261 lbs.	295 lbs.
<b>Blade Raise/Lower system</b>	Manual Release and engagement near handle	Electro Mechanical	Electro Mechanical synced with the handle Stay Adjust System
<b>Guide System</b>	Convenient self-extending/collapsible front and rear guides	Convenient self-extending/collapsible front and rear guides	Flip-up front dual pointer
<b>Handle</b>	Telescoping type with infinitely ad- justable length	Telescoping type with infinitely ad- justable length	Heavy Duty 2" square tube with Stay Adjust System for automatic height compensation that automatically ad- justs the handle as the saw is raised and lowered
<b>Cutting Distance From Wall</b>	3-1/4"	4-1/4"	2-1/4"
<b>Blade Specifications</b>	Standard: 6-1/2" X 0.095 or 0.0225 thick wet or dry cut with patent Z-Arbor	Standard: 8-1/2" X 0.095 or 0.0225 thick wet or dry cut with patent Z-Arbor	20" Standard wet or dry cut, 1-1/4" spindle with heavy duty, deep groove, self-aligning, double sealed pillow blocks with 1" round arbor with drive pin
<b>Blade Diameter</b>	Optional on larger saws: 12" or 14" blade	Optional on larger saws: 12" or 14" blade	
<b>Blade Rotation</b>	Counter Clockwise, up cutting	Counter Clockwise, up cutting	Clockwise, down cutting
<b>Blade Shaft Speed</b>	5400 RPM/6.5" blade	4500 RPM/8.5" blade	2750 RPM, triple V-belt power transmission drive, 3100 RPM with 12"/14" blade guard, belt & pulley set
<b>Cutting Depth</b>	1/2" to 1-1/2"(13mm-38mm) regardless of blade wear(new blade cutting depth of 1-3/4")	1/2" to 2-1/4"(13mm-38mm) regardless of blade wear(new blade cutting depth of 2-1/2")	7-1/2" with 20" blade, 6-1/2" with 18" blade, 4-1/2 with 14" guard, 3-1/2" with 12" blade. Optional 12"/14" blade guard, belt & pulley set for using smaller diameter blades
<b>Engine Specifications Gasoline Engine</b>	6 HP (4.2 KW) Subaru Robin Model EX-17 vibration free, air cooled, 4 cycle, single slant cylinder, overhead Camshaft gasoline engine 6 HP	9 HP Subaru Robin Model EX27 vibration free, air cooled, 4 cycle, single slant cylinder, overhead Cam- shaft gasoline engine 9 HP	14.0 HP Subaru Robin Model EX-40 electric and recoil start, air cooled, 4 cycle, overhead cam, single cylinder gasoline engine 14.0 HP
<b>Engine Model</b>	EX17	EX27	EX40
<b>Average Cutting Rates* Soft Aggregates Medium Aggregates Hard Aggregates</b>	15 to 30 ft/min (4.7 to 9.4m/min) 10 to 20 ft/min (3.0 to 6.0 m/min) 5 to 10 ft/min . (1.6 to 3.2 m/min)	5 to 30 ft/min (4.7 to 9.4m/min) 10 to 20 ft/min (3.0 to 6.0 m/min) 5 to 10 ft/min . (1.6 to 3.2 m/min)	15 to 30 ft/min (4.7 to 9.4m/min) 10 to 20 ft/min (3.0 to 6.0 m/min) 5 to 10 ft/min . (1.6 to 3.2 m/min)

\* Estimates only. Speed will vary with job conditions and concrete mixtures.



**CARDINAL**

**The original light weight, available with a 4.5 HP or 6 HP gas engine, push or self-propelled**

# **Early Entry Green Concrete Saw**

## **The Green Machine™ Series**



**4.5 HP**

### **CARDINAL Early Entry Saw and unique Green Sawing Technique**

- eliminating random cracks
- prevent unsightly raveling
- minimize joint chipping and spalling
- low cost 6½" blade cuts 1¾" deep

### **CARDINAL is innovator of the industry's original early entry saw for cutting uncured green concrete**

CARDINAL developed the world's first Green Machine™ Early Entry saw. And, continuing this tradition of innovation, CARDINAL has developed an early entry saw to handle any size job, indoors or outdoors.

**Cutting depth: 1/2" to 1-3/4" (12.7mm – 44.45mm) regardless of blade wear (new blade cutting depth of 1.75")**

### **The CARDINAL GM-SERIES**

- Equipped with patented FlatTrac wheels which permit the cutting operation to proceed often within one to two hours after the finishing process is completed... your time on-the-jobsite is minimized
- Has a low price tag yet outperforms more expensive Soff-Cut™ saws.
- Uses the lowest cost, fastest cutting CARDINAL DIAMOND Blades
- Does not require expensive skid plates that can scratch and damage concrete surfaces and need to be replaced with every blade.



**6 HP**

The Green Machine™ Series is sold internationally only

**See Green Machine™ specifications on next page**



**CARDINAL**

# Green Machine™ Specifications

## Physical/Mechanical Specifications

## The CARDINAL GM Series

---

Dimensions	Handle collapsed – 16" width x 42" length Handle extended – 16" width x 49" length
Weight	100 pounds
Blade raise/lower system	Manual release and engagement near handle bar
Guide System	Convenient self-extending front and rear guides
Handle	Telescoping type with infinitely adjustable length
Cutting distance from wall	3.5"

## Blade Specifications

Blade type	6.5" diameter x .095" or 0.225 thick dry cut with patented Z Arbor
Blade rotation	Counter clockwise, up cutting
Blade shaft speed	5400 RPM

## Engine Specifications

Gas-powered engine	4.5 HP (3.2KW) Subaru Robin Model EX-13 vibration-free, air-cooled 4 cycle, single slant cylinder, overhead camshaft gasoline engine. <i>Optional: 6.0 HP EX-17 available on self-propelled models only.</i>
Recommended Engine Speed	3600 RPM
Controls	Engine mounted manual throttle, choke and fuel shut off levers, manual on/off switch
Starting System	Manual recoil starter with automatic mechanical compression release and zero kick back

## Average Cutting Rates\*

Soft aggregates	15 ft./min. (4.7 m./min.)
Medium aggregates	10 ft./min. (3.0 m./min.)
Hard aggregates	5 ft./min. (1.6 m./min.)

\* Estimates only. Speed will vary with job conditions and concrete mixtures



**CARDINAL**

## **Growler, Growler Jr. and Chisler**



### **The CARDINAL Growler, Growler Jr., and Chisler**

- Strip, Plane, Level and Polish
- Remove coverings and adhesives
- Variety of wheels and blades for every application
- Fully powder-coated



# Growler, Growler Jr. and Chisler Specifications

Specifications	Junior	Growler	Chisler
Amps	18.4	33.8	18.4
RPM	2800 at disk	400 at disc	1725
Motor	2 HP	3 HP	2 HP
Phase	Single	Single	Single
Volts	110/220	110/220	110/220
Weight (lbs.)	120	230	120
Wheel	3"	to 10"	Various
Height	Variable	Variable	Variable



**CARDINAL**

## **INTRODUCING The Lazer Razor™**

# **LAZER RAZOR**



Patent pending

### **SPECIFICATIONS**

- Dual Blade Cutting, 14" Main Blade giving 4-1/2" Depth of Cut, 6-1/2" Auxiliary Blade giving 1-3/4" Depth of Cut, Center Cut Design for better tracking
- Rotating blade guards for safety.
- 22 H.P. Subaru Robin EH65 Gasoline Engine with Splined Shaft, Hydro Gear and Sauer Danfoss Hydraulics
- Self-Propelled rear 10" drive soft durometer wheels
- Electro-mechanical blade adjustment, each blade independently operated
- Auxiliary blade auto adjusts as main blade is lowered into slab
- Stay Adjust Handle System keeps handle at desired height as saw is raised and lowered
- Headlight for good visibility in dark areas
- Laser Line Generating front pointer
- Optional Laser Tru, PLC controlled operating system for semi-automatic self-guidance



## **Hydraulic Power Pack for use on all Cardinal Machines and all competitors' equipment**



### **Hydraulic Power Pack**

- Model EH65
- 22 HP
- Weight 295 lbs.
- 13 Gallons per minute
- Adjustable pressure up to 3000 psi
- Retractable handle
- Loader Circuit for easy starting
- Dimensions: Length 33", Width 31"  
Height 40"



# Performance Guarantee

If you are dissatisfied for any reason with the performance of Cardinal Diamond™ blades, please complete the information on the form below or on the reverse side of your warranty and mail it to the address below. We will refund or credit you promptly in accordance with your request with an equitable, fair adjustment based on information supplied.

**Note:** *Used blade must be returned with warranty.*

Cardinal Saws and Blades  
100 Barren Hill Road  
Conshohocken, PA 19428



**CARDINAL**

---

100 Barren Hill Road  
Conshohocken, PA 19428 USA  
888.503.3353 fax 888.504.4434  
cardinalsales@cardinalsaws.com  
www.cardinalsaws.com