



FIRST-CUT™
EARLY ENTRY PRODUCTS



FIRST-CUT™ EARLY ENTRY PRODUCTS

True Early Entry™ System

**CONTROL
/// ZONE™**

OPTIMAL CUTTING TIME

Stay in the Control Zone™ for the Best Time to Cut.

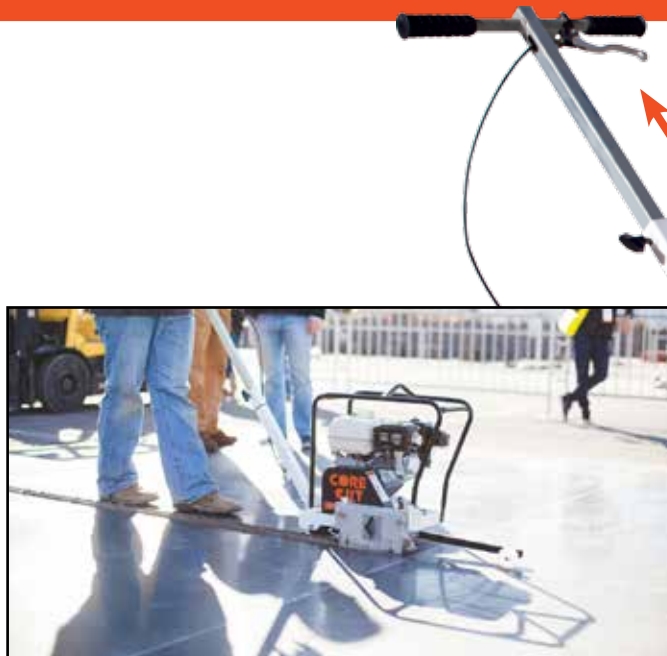
800-321-5336
www.diamondproducts.com

**CORE
CUT™**

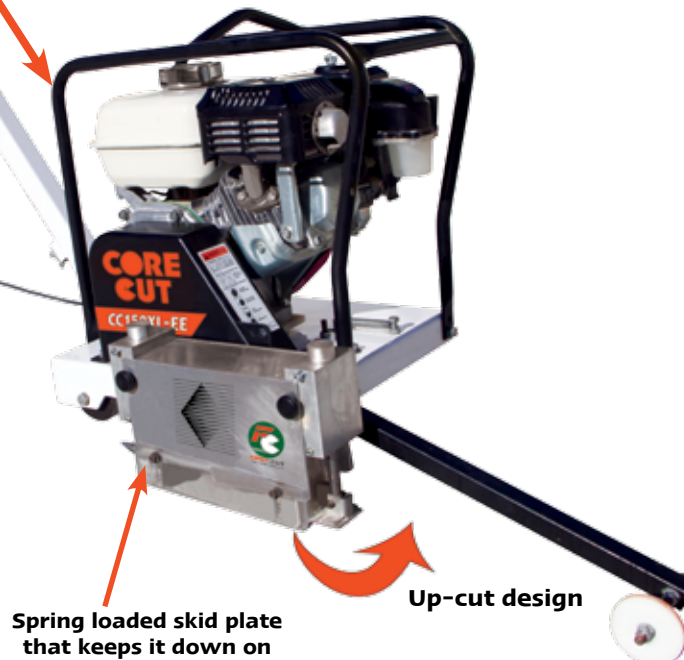


**DIAMOND
PRODUCTS®**

CC150XL-EE First-Cut™ Saw

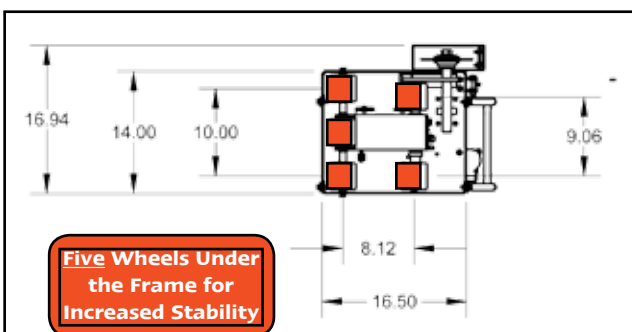
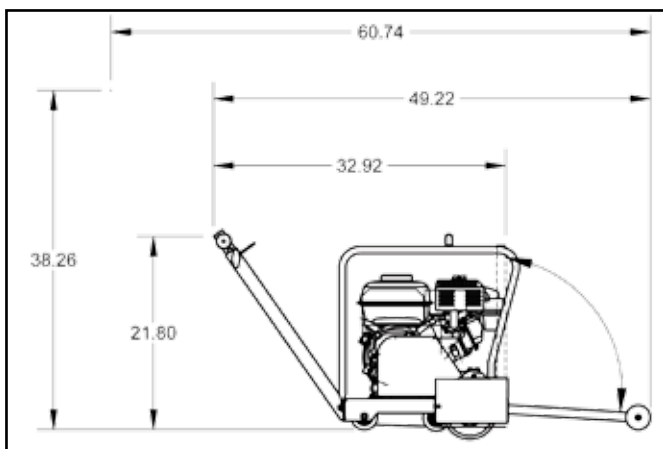


Telescoping handle adjusts to operator's height



Spring loaded skid plate that keeps it down on the surface to help prevent spalling

Up-cut design



6" Blade Capacity

Gasoline

Features & Benefits:

- Maximum cutting depth of 1-3/16"
- Reliable skid plate system for green concrete
- Heavy duty design but light weight enough for two people to lift
- Cyclone air filter for increased air flow
- Up-cut design to keep debris from going back in the cut
- Blade raise/lower mechanical mechanism with spring loaded release
- Single ribbed drive belt

Specifications:

Blade shaft RPM:	3,800
Blade shaft diameter:	1"
Arbor size:	1"
Handle bars:	Adjustable
Depth indicator:	Standard

CC150XL-EE EARLY ENTRY SAW

Model #	Engine Make/Model	Engine Power	Part #	Cat #	Product Weight (lbs)
CC148HXL-EE6	Honda® GX160	4.8 HP, 7.6 Torque (lbs.-ft.)	5801345	32739	100
CC165BVXL-EE6	Briggs® Vanguard	6.5 HP	5801346	32747	105
CC165LXL-EE6	Lifan® LF168F	6.5 HP	5801347	32755	100

Horsepower as rated by the engine manufacturer.



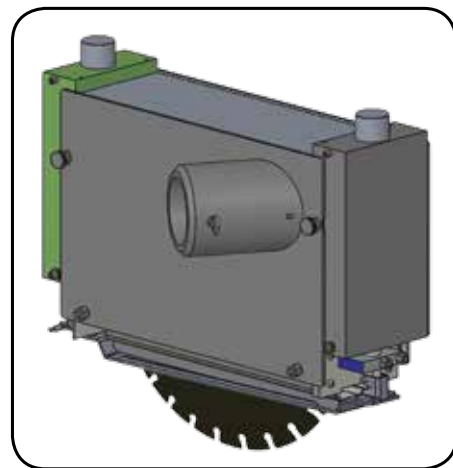
Parts List/Manual #: 1802416



CC190PRO-EE First-Cut Saw

Shown with optional
spot light kit

Spring loaded skid plate
that keeps it down on
the surface to help
prevent spalling



Optional Dust Collection Side Plate

Part # 2708358, Cat # 80580

14" Blade Capacity

Gasoline

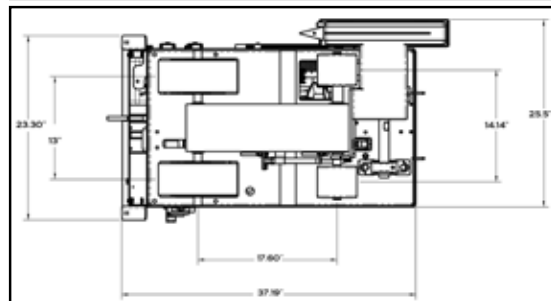
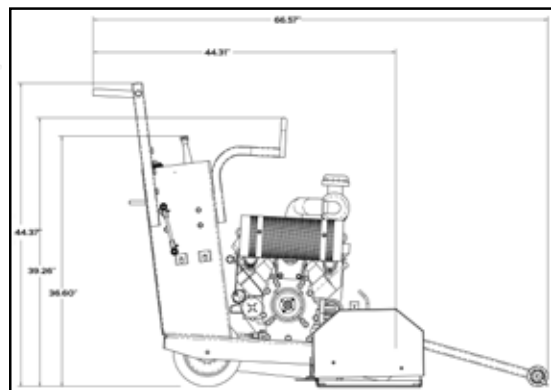
Up-cut design

Features & Benefits:

- Maximum cutting depth of 3-1/2" with 14" blade
- Capable of .110" to .250" thick blades
- Self propelled drive
- Heavy duty handle design with actuator switch installed
- Self aligning blade shaft bearings
- Easy access to battery with heavy duty isolator switch to prevent power drain
- Up-cut design to keep debris from going back in the cut
- Lifting hook for easy transport
- Parking break

Specifications:

Blade shaft RPM: 3,500
Blade shaft diameter: 1-1/4"
Arbor size: 1" with single drive pin
Blade raise/lower: Electric actuator
Transmission: Eaton Model 6
Drive Speed: 0-80 feet per minute
Handle bars: Adjustable, raise/lower
Includes: Electric start, low oil alert and tach/hour meter



Made in the
U.S.A.

CC190PRO-EE EARLY ENTRY SAW

Model #	Engine Make/Model	Engine Power	Part #	Cat #	Product Weight (lbs)
CC190HPRO-EE	Honda® GX630	20.8 HP, 35.6 Torque (lbs.-ft)	5801048	81211	420

Horsepower as rated by the engine manufacturer.

CC190PRO-EE OPTIONS

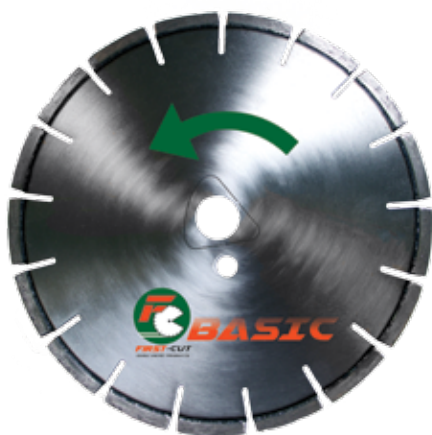
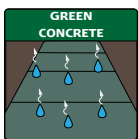
Description	Part #	Cat #
Dust Collection Side Plate	2705358	80580
Spot Light Kit	6047720	78751

Parts List #: 1802584

Operator Manual #: 1802459

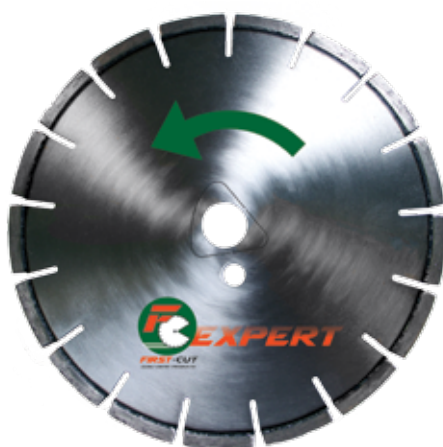
FIRST-CUT™ BLADES

For Use on First-Cut™ or Competition Style Saws



BASIC-GOOD QUALITY, LONG LIFE

SIZE	BASIC1000 Cat #	BASIC2000 Cat #	BASIC3000 Cat #	BASIC4000 Cat #	BASIC5000 Cat #	BASIC6000 Cat #
4" x .080	70113	70114	70116	70117	70119	70120
6" x .100	63013	40544	40546	40547	63014	63016
8" x .100	63056	42938	42939	42943	63058	63063
8" x .125	63365	63371	63372	63373	63380	63381
10" x .110	63382	46593	46596	46599	63384	63388
10" x .250	63389	63390	63392	63396	63397	63404
12" x .125	63413	44970	44971	44974	63415	63416
12" x .250	63417	63419	63420	63421	63422	63423
13.5" x .125	63426	63427	63428	63429	63430	63437
13.5" x .250	63440	63441	63442	63446	63447	63449
14" x .125	63450	44976	44977	44978	63458	63464
14" x .250	63465	63466	63467	63468	63469	63470



EXPERT-VERY HIGH QUALITY, LONGER LIFE

SIZE	EXPERT1000 Cat #	EXPERT2000 Cat #	EXPERT3000 Cat #	EXPERT4000 Cat #	EXPERT5000 Cat #	EXPERT6000 Cat #
6" x .095	66117	67330	57526	68407	69019	56798
8" x .100	67332	67331	68352	68328	68380	68331
8" x .125	68511	68531	57532	68520	61769	56800
10" x .110	68782	67318	55816	68498	51150	56801
10" x .250	69815	68432	68335	68417	68381	68418
12" x .125	67326	67325	57524	68512	90673	52597
12" x .250	70590	68507	68590	68515	68475	70118
13.5" x .125	68438	67329	67898	69554	68378	69690
13.5" x .250	69159	70166	69328	69853	68434	68384
14" x .125	68394	68392	57525	68518	51156	51177
14" x .250	68521	70559	68526	68469	68351	69770



Includes 1" arbor with drive-pin hole and triangle knock-out

Consider the aggregate in your area and cure time before determining the bond specification

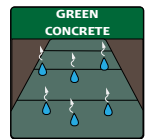
Color codes **do not** refer to the aggregate map color codes found at the front of this book..

SPECIFICATIONS

Specification	Aggregate
1000-Purple	Very Hard
2000-Green	Hard
3000-Red	Medium Hard
4000-Orange	Medium
5000-Yellow	Medium Soft
6000-Black	Soft



Packaged with
Skid Plate



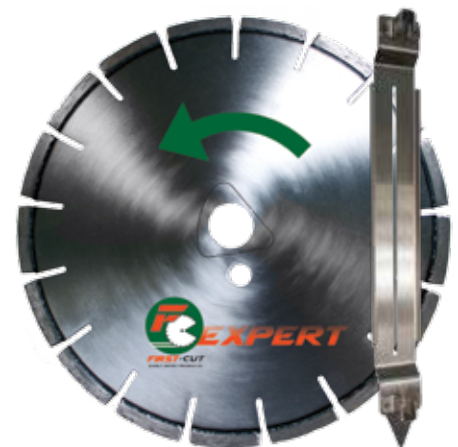
BASIC-GOOD QUALITY, LONG LIFE (with Skid Plate)

SIZE	BASIC1000 Cat #	BASIC2000 Cat #	BASIC3000 Cat #	BASIC4000 Cat #	BASIC5000 Cat #	BASIC6000 Cat #
6" x .100	64125	64132	64133	64134	64135	64136
8" x .100	64163	64166	64167	64185	64206	64207
8" x .125	64234	64235	64236	64237	64238	64242
10" x .110	64271	64273	64274	64275	64276	64282
10" x .250	64335	64338	64341	64344	64345	64348
12" x .125	64376	64378	64379	64384	64387	64388
12" x .250	64439	64441	64442	64443	64447	64448
13.5" x .125	64471	64473	64474	64479	64482	64485
13.5" x .250	64516	64518	64522	64526	64528	64530
14" x .125	64546	64547	64550	64552	64553	64555
14" x .250	64573	64579	64580	64581	64582	64583



EXPERT-VERY HIGH QUALITY, LONGER LIFE (with Skid Plate)

SIZE	EXPERT1000 Cat #	EXPERT2000 Cat #	EXPERT3000 Cat #	EXPERT4000 Cat #	EXPERT5000 Cat #	EXPERT6000 Cat #
6" x .095	64145	64147	64149	64150	64155	64156
8" x .100	64208	64210	64212	64216	64217	64218
8" x .125	64244	64246	64248	64254	64255	64260
10" x .110	64288	64289	64290	64293	64296	64298
10" x .250	64349	64351	64353	64357	64359	64361
12" x .125	64389	64390	64402	64417	64418	64419
12" x .250	64449	64451	64452	64453	64458	64460
13.5" x .125	64488	64489	64493	64494	64495	64498
13.5" x .250	64532	64533	64535	64541	64543	64544
14" x .125	64557	64558	64559	64561	64562	64566
14" x .250	64584	64585	64590	64597	64598	64599



SPECIFICATIONS

Specification	Aggregate
1000-Purple	Very Hard
2000-Green	Hard
3000-Red	Medium Hard
4000-Orange	Medium
5000-Yellow	Medium Soft
6000-Black	Soft

Consider the aggregate in
your area and cure time
before determining the bond
specification

Color codes do not refer to the
aggregate map color codes
found at the front of this book..

Joint Protectors

(50 per bag)

- 2" long x 1/2" wide x 1/8" thick
- Used when making cross-cuts in
green concrete



Part #	Cat #
JOINTPRO-50	17145

SKID PLATES



For use on
First-Cut™ and
Soff-Cut® Saws

Skid Plate Features

- Stainless steel construction
- 1/8" thick bottom plate allows skid to be used for 2-3 blades before requiring replacement depending on the abrasive properties of the aggregate and the diameter of the blade
- Steel mounting pins that won't break or fails like some cast aluminum competitor mounts
- Mounted with a locking pin to keep the plate in place
- Fits both steel and cast skid plate saws



ALWAYS CHECK SKID PLATE BEFORE SAWING!

Look for wear at these highlighted areas on the skid plate. If the slot is no longer a straight line, you must replace the skid plate. This wear is typically seen every 2 to 3 blade lives depending on the aggregate type.

When Used with Hard Aggregate:

Blades in hard aggregate have shorter life so the skid plate will last longer. This holds true for diamond blades. They wear out faster, which leads to less skid plates being needed due to less abrasion wearing on the steel skid plate.

When Used with Soft Aggregate:

Blades in soft aggregate last longer so the skid plates wear out with fewer blades. Blades specifications for soft aggregate are typically hard, which results in more skids plates being needed due to more abrasion on the steel skid plate.

SKID PLATES - FOR .125 & .250 THICK BLADES

Description	.125 Part #	.125 Cat #	LIST PRICE	.250 Part #	.250 Cat #
Skid Plate for 6" and 8" Blades	2505236	40029	\$28	6011520	51726
Skid Plate for 10" Blades	2505237	40038	35	6011523	56358
Skid Plate for 12" and 13.5" Blades	2505238	40039	43	6011526	56636
Skid Plate for 14" Blades	2505239	42936	59	6011529	56359

Skid plates for .375" and .500" thick blades available upon request.

Soff-Cut® is a registered trademark of Husqvarna AB (publ) and is in no way affiliated with Diamond Products Limited.



TRUE EARLY ENTRY™ System Components:

- First-Cut™ blade (3 quality grades - Basic, Expert, Ultra)
- First-Cut™ saw with skid plate guard system
- Optimal Time of Cutting - Known as the **Control Zone™** (2 hours after finishing and before final set)

WHAT ARE TRUE EARLY ENTRY™ CONTROL/RELIEF JOINTS?

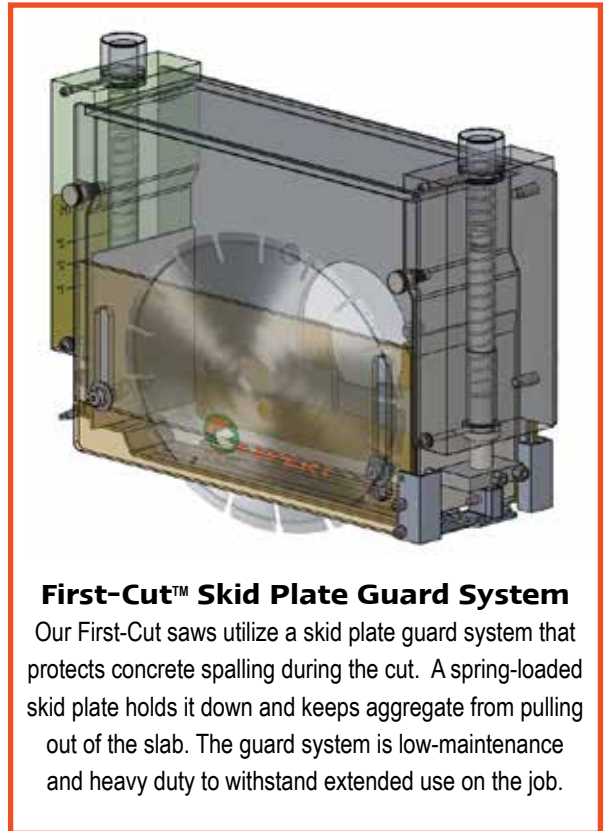
As concrete is placed and being finished, chemical reactions begin to take place causing the slab to increase in temperature. Stress, caused by shrinkage, begins to accumulate rapidly. At this time the concrete is looking for relief. If not relieved in a timely manner the concrete will relieve itself, resulting in random cracks appearing across the surface of the slab.

By placing **True Early Entry™** joints at the appropriate spacing (normally 10' to 12' apart) the concrete finds the relief its looking for and cracks directly beneath the cut.

The timing of **True Early Entry™** joints are critical! Controlling random cracking is all about the timing of the cut, not the depth of the cut. Cuts must be placed between the initial set and the final set of the concrete. This **CONTROL ZONE™** is the optimal cutting time to give concrete relief when it is looking for it the most.



Remember: 2 HOURS after concrete finishing and before the final set.

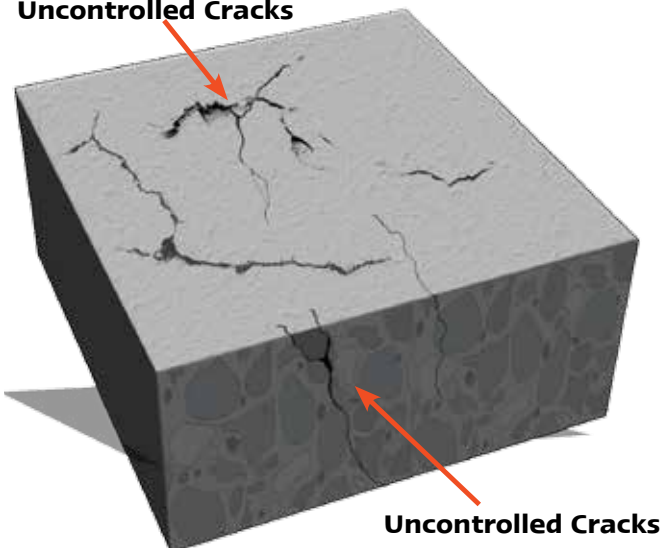


First-Cut™ Skid Plate Guard System

Our First-Cut saws utilize a skid plate guard system that protects concrete spalling during the cut. A spring-loaded skid plate holds it down and keeps aggregate from pulling out of the slab. The guard system is low-maintenance and heavy duty to withstand extended use on the job.

Why You Need to Use the True Early Entry™ System

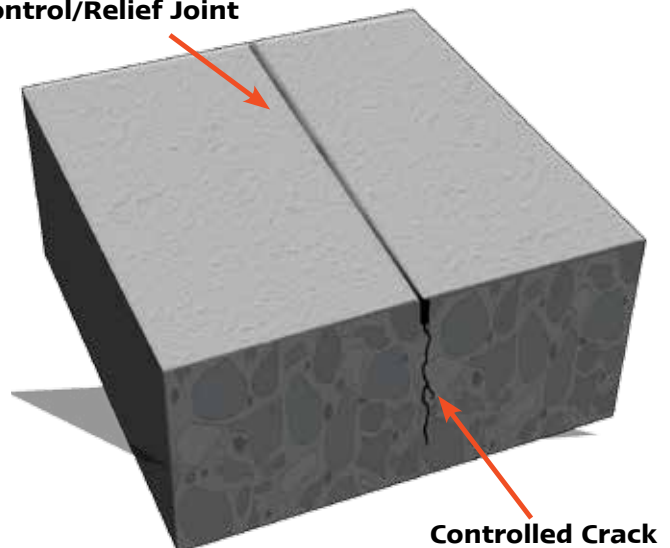
Uncontrolled Cracks



Concrete Without Control/Relief Joint

Without a control or relief joint made into the material, heat and cold aligned with curing can cause expanding and contracting of the concrete, creating uncontrolled cracks throughout. Those cracks will eventually create ruptures and sections that can pull apart from the rest of the material.

Control/Relief Joint



Concrete With Control/Relief Joint

Making a controlled cut in the concrete **CONTROLS** where the cracks appear. When this procedure is done in determined spaced sections, the damage and cracking is kept at a minimum which prolongs the life of the concrete slab.

CV1900 CORE-VAC & AGGREGATE MAP

For Use on the CC190PRO-EE
First-Cut Early Entry Saws



CV1900 Vacuum Gasoline

The CV1900 is designed for the contractor who requires a large amount of dust containment.

The CV1900 Vac offers a 5" hose allowing larger air volume and two additional 2" hose inlets for smaller tools. With your reduction in filter cleaning labor combined with its adaptability to all shrouded equipment. The CV1900 is the most essential and recommended dust collector system for today's contractor

Specifications

Vacuum Hoses:	5" x 15' (standard) with quick release clamps
Power:	6 HP Gasoline (Robin)
Compressor:	2.5 CFM Air Cooled
Filtration:	Special pleated cartridge
Wheels:	Two 5" 200lb. rubber Two 5" 200lb. swivel caster
Dimensions	Height: 59" (150cm) Length: 34-1/2" (88cm) Width: 28" (71cm) Weight: 375 lbs. (170kg)

Directional rods for keeping the hose where you want it



CORE VAC

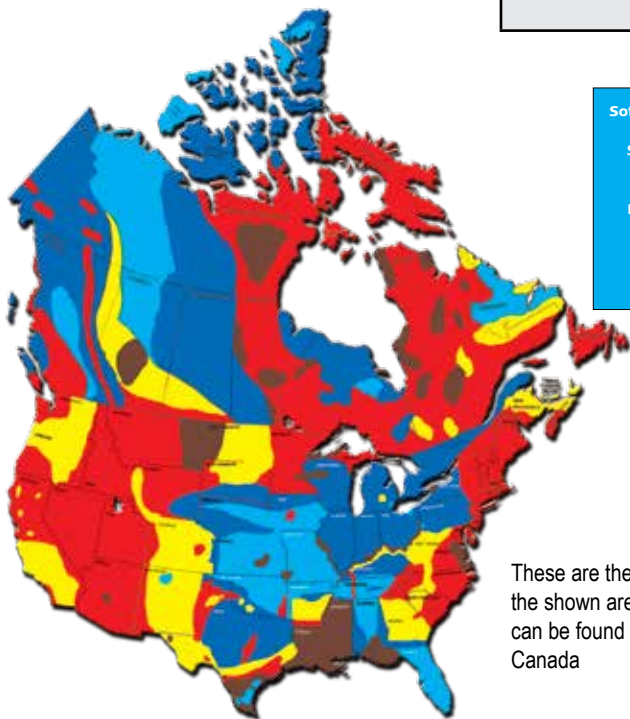
Crank to raise and lower collector drum

CV1900 CORE-VAC Dust Containment Vacuum

Description	Part #	Cat #
CV1900 gas vacuum for CC190PRO-EE with hoses - dry only	2505723	82095
Vacuum side cover plate attachment for CC190PRO-EE	2708358	80580
Vacuum adaptor 3" to 5"	2504846	82102



DRY ONLY



Soft Limestone	Pit Gravel	Medium Hard River Rock	Granite	Hard Chert
Sandstone	Limestone	Medium Traprock	Slate	Quartz
Dolomite Limestone	Dolomite	Decomposed Granite	Traprock	Flint Rock
Siliceous		Medium Crushed Gravel	Basalt	Hard River Rock
Soft Shell			Quartzite	
SOFT	MEDIUM SOFT	MEDIUM	MEDIUM HARD	HARD

These are the basic aggregates found in the shown areas. Other types of aggregate can be found in many parts of the U.S. and Canada

FIRST-CUT BLADE SPECIFICATIONS

FIRST-CUT SPECIFICATION	Aggregate Hardness (See map)
1000/2000	Hard
3000	Medium Hard
4000	Medium
5000	Medium Soft
6000	Soft

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CORE CUT

