

CE94CRS Concrete Cutting Chainsaw Specifications

For CE94CRS/12" – CE94CRS/14" and CE94CRS/16"



Engine Type	2-Stroke, Air-Cooled
Displacement	5.7 cu-in (94cc)
Horsepower	6.4 hp (4.8kW) @ 9000 rpm
Torque	50.4 in-lbs (5.7 Nm) @ 7,200 rpm
Engine Speed	9,300 +/- 150 rpm (max) 2,700 +/- 100 rpm (idle)
Spark Plug	NGK BPMR7A or Champion RCJ6Y Electrode gap 0.020 in (0.5 mm)
Weight	22.25 lbs (10.1 kg) Powerhead only
Dimensions	18 in (46 cm) length 14 in (36 cm) height 13 in (33.02 cm) width
Air Filter	Water Resistant Polyester
Carburetor	Walbro RXJ-5A, Throttle Shaft Sealed
Starter	Dust and water resistant
Ignition	Momentary contact On/Off switch
Clutch	Centrifugal, Three Shoes, Three Springs Water and Concrete Slurry Sealed
Fuel Ratio	100:1 Cutters Edge Synthetic 2-cycle Oil Or 25:1 Petroleum Based 2-cycle Oil
Fuel Capacity	0.26 Gallon (1 Liter)
Water Supply	CE7COI - 50 psi (3.45 bar) GCP - 20 psi (1.5 bar)
Water Flow	Minimum 2.5 gpm (7.5 liters/min)
Noise Level	106 dB(A) at 3 ft (1 m)
Vibration Level	3.9 m/s (front handle) 4.1 m/s (rear handle)
Diamond Chain	Available with 7COI Diamond Chain or GCP SealPRO® Diamond Chain
Available Bar Lengths	12-inch (30.48 cm) 14-inch (35.56 cm) 16-inch (40.64 cm)



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"NEXT GENERATION TECHNOLOGY"

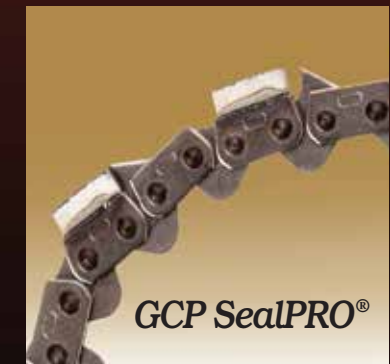
Cutters Edge[®]
An ISO 9001 Certified Company
FIRE RESCUE SAWS

New X-Torq[®] Engine



Use This Code to See it in Action!

**CE94CRS
Concrete
Cutting
Chainsaw**



Cuts Reinforced Concrete Up to 16-inches (41cm) Thick

Cutters Edge MULTI-CUT[®] Fire Rescue Saws are engineered and built specifically for the Fire Rescue Service to deliver 100% reliable high performance cutting in the extreme conditions of the fire rescue environment. All engines are EPA compliant, UL[®], CE and ANSI approved.

The new X TORQ[®] technology utilizes Dual Intakes that split the airflow into one fresh-airstream and one clean-air stream for the fuel-air mixture. The fresh-air intake forms a barrier that delays the fresh fuel mix from entering the engine while assisting in exhausting the burned gases. Then the fuel-air mixture enters the engine, resulting in more power, higher torque, 75% less emissions and 20% more fuel economy than conventional 2-stroke engines.

The CE94CRS Gasoline-powered Concrete Cutting Chainsaw is Lighter Weight, has more Torque and Cuts Reinforced Concrete up to 16-inches thick. Unlike hydraulic saws, no heavy, bulky power pack is needed and there are no hydraulic lines to get in the way. And, unlike rotary saws, there is no concrete dust produced and it can cut material more than twice as thick. Just one single water line with only a 2.5 gpm flow (9 liters/min) at 20 psi (1.5 bar) is needed to cool and lubricate the chain and prevent concrete cutting dust. A garden hose from a residential hose bib is all that is needed but water can be supplied from any water source: including a pumper, tender, hydrant, standpipe, the ocean, a lake, stream or even a puddle or bucket of water.

We also offer a 23-piece Concrete Sawing Kit that includes a lightweight water pump, hoses, adapters and everything needed to pump water from any source. The CE94CRS cuts a wide range of materials; including reinforced concrete (rebar), masonry brick, concrete block, natural stone and abrasive concrete. A powerful 5.7 cu Inch (94cc) engine engineered specifically for concrete cutting with an advanced crankshaft sealing design, sealed throttle shaft, waterproof ignition and a special air filtration system are just some of the "NEXT GENERATION TECHNOLOGY" features that allow this new internal combustion engine to operate at peak performance in the wet, rescue concrete cutting environment.

REFLECTIVE LABELS FOR INCREASED VISIBILITY

3 AXES 360° SWIVEL HOSE CONNECTOR

The Swivel Hose Connector enables the saw to work freely through 360° of direction in each of three axes. This feature keeps the water supply hose out of the way and prevents the hose from kinking.

FUEL MIX

The 0.26 gal (1 liter) capacity fuel mix tank allows for 15 to 18 minutes of continuous full-load operation.



MULTI-STAGE AIR FILTRATION SYSTEM

Multi-Stage Air Filtration System with polyester filter media and fine mesh nylon screen that adds additional water barrier.

WATER PROTECTIVE AIR INTAKE

D-HANDLE: WITH EXTRA LARGE OPENING FOR GLOVES

MOMENTARY ON/OFF CONTACT SWITCH

The momentary On/Off switch is always in the "On" position for reliable starting and to eliminate the possibility of flooding.

PRIMER BULB

For easy starts.

MUFFLER EXHAUST PORT COVER

The Muffler Exhaust Port Cover prevents water from entering the engine through the muffler.

WALLWALKER[®]

The pivoting of the Wallwalker[®] creates a 4:1 mechanical advantage by transferring Forward pressure into downward pressure.

CUTTERS EDGE

DIAMOND CHAIN

FLAME COATED GUIDE BAR

With Internal Water Galleries. Available in 12" (30cm), 14" (36cm) and 16" (42cm)

FULL WRAP TEXTURED RUBBER COVERED HANDLE

The Full-Wrap Handle design allows the saw to cut in any position, even upside-down. The textured rubber on the handle provides a non-slip surface for working in wet rescue conditions

"NEXT GENERATION TECHNOLOGY"

CE7COI™ Diamond Chain

Available in 12" (30.48cm),
14" (36cm) and 16" (41cm) lengths.



Up to **40%**
Faster Cutting
Speed

Diamond Segment On Every Link:

- **Faster Cutting**- Up to 40% faster than other Diamond Chains.
- More Torque can be placed on the chain and bar because the Diamond Segments are closer together.
- Longer life – Up to 30% more diamond surface area in contact with the concrete being cut.
- Cuts significantly faster when cutting through heavy reinforced concrete because more diamonds are in contact with the material being cut.

Smoother Cutting/Less Vibration:

- **More Diamond Segments** – spaced closer together, with smaller profiles, increase the diamond surface area in contact with the material being cut by 30%. Not only increases speed and life but creates a smoother cut because of the closer spacing with a diamond segment for every drive link.

Segment Quality:

- Unique sandwich segment design maintains segment profile through the chain's life. The sandwich design has a harder outer shell that keeps the segment's profile throughout its life and the use of a soft bond in the center enables faster cutting, especially in heavy steel.
- The sandwich segment design allows the segments to wear all the way.
- Only the highest quality diamonds are used in the bond, which increases speed and extends life.

Special Grinding:

- **Open Segments** – Cutters Edge CE7COI™ segments are surface ground during production so the chain cuts at full speed immediately out of the box. Other diamond chains can take more than 20 minutes of cutting to open the segments, even in abrasive material.

Chain Structure:

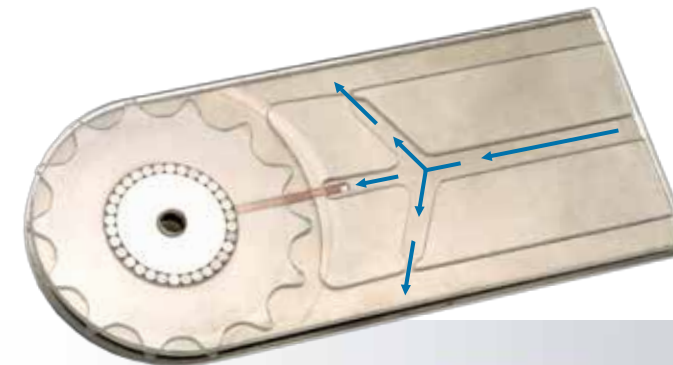
- Interlocking patented debris protection rivet design and hardened internal sealed bushings between rivet connections, the segment links and the drive links.
- The segment link is very stable and slows down the elongation of the chain.
- The hardening process also prevents excessive guide bar wear.
- A cooling port in the drive link enables better cooling, especially when the chain is run with low water pressure.

The CE94CRS Guide Bar

Flame coating creates maximum durability of the guide bar rails for longer life and smoother operation in the harsh environment of concrete cutting.

Seven Interior Water Galleries

Cool, dust-free cutting and bar and chain lubricating is the direct result of the unique, interior water galleries that deliver a constant pressurized flow of water from inside out to keep the diamond chain cool and prevent concrete dust at the same time.



Seven Interior Water Galleries

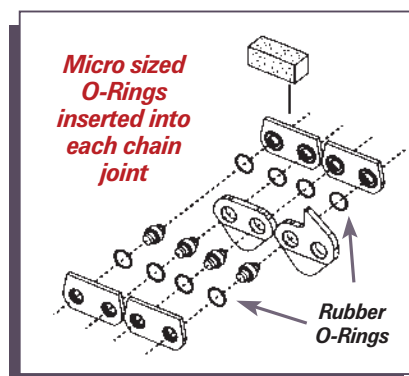
GCP SealPRO® Diamond Cutting Chain

Micro-sized O-Rings create a totally sealed rivet joint to keep out sand and slurry during concrete cutting. O-ring sealed rivet joints reduce chain stretching and tension adjustments by up to 50% and reduces water pressure required to 20 psi (1.5 bar). The GCP SealPRO® Diamond Chain is the best choice for situations with inconsistent water flow issues.



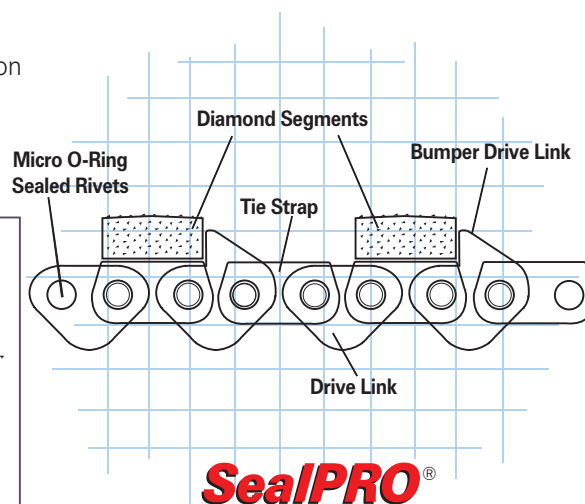
Thousands of
Diamonds
Laser Welded

Sealed Rivets
No Kickback
Micro O-Ring
Sealed Rivets



Micro sized
O-Rings
inserted into
each chain
joint

Rubber
O-Rings



Diamond Segments
Micro O-Ring Sealed Rivets
Tie Strap
Bumper Drive Link
Drive Link

SealPRO®



Guide Bars:
12" (30.48cm)
14" (36cm) and
16" (41cm) lengths.

The CE94CRS Concrete Sawing Kit

Our 23-piece CE94CRS Concrete Sawing Kit includes all of the tools you'll need to cut concrete anywhere, using any available water source.



Rugged Diamond Plate Aluminum Case with Removable Engineer's Tray allows the empty case to become a 65-gallon water reservoir...enough to supply cooling and lubrication to bar and chain for over 30 minutes of cutting time

3-Gallon Pressurized Fuel Container for up to 12-hour continuous pump run time.

Safety Goggles, Hearing Protectors, Tool Kit and Accessories

1-1/4 Gallon Fuel Container for Saw

Cutters Edge®
An ISO 9001 Certified Company
FIRE RESCUE SAWS

Concrete Kit Includes:

- (1) Diamond Plate Aluminum Case with Dividers and Tray
- (1) CE94CRS 12", 14" or 16" Gasoline Powered Concrete Cutting Chainsaw
- (1) MP 2531CE-1 Water Pump
- (1) 1" x 10 ft. Suction Hose with 1" Female Camlock Fitting and 1" Check Valve (Foot Valve) attached
- (1) 1" (nps) Female x 3/4" (ght)* Male Adapter/Thread Protector
- (1) 1" (nps) Female x 1" (nst) Male Adapter with Camlock Fitting attached
- (1) 3/4" x 3/4" FHT Brass Hose to Hose Connector
- (1) 3/4" x 25 ft 250 psi Myti-flo Woven Hose
- (1) 3/4" x 75 ft 250 psi Myti-flo Woven Hose
- (1) 2-1/2" Female x 3/4" (ght)* Male Adapter
- (1) 1-1/2" Female x 3/4" (ght)* Male Adapter
- (1) 1" Female x 3/4" (ght)* Male Adapter
- (1) Hydrant Wrench
- (1) 1-1/4" Gallon Fuel Container (UL Approved)
- (1) 3-Gallon Fuel Container (UL Approved) with 6 ft. Fuel Line, Primer Bulb and Quick-Connect Connectors, for up to 12 hours of Full Load Pump Operation.
- (1) 8 oz. Bottle, Cutters Edge 2-Cycle Oil Mix (Will make 6 Gallons of Fuel)
- (1) Spray Can of Lubricant/Water Displacer
- (1) Tool Kit
- (1) Safety Goggles
- (1) Hearing Protectors
- (1) 10" x 9" Collapsible Canvas Water Container for Pump priming

* (ght) Garden Hose Thread

Specifications are subject to change without notice.