Concrete Chain Saws – Pneumatic • Hydraulic

Cut through walls, floors and columns in a single pass

Model CS 536664-2
6.5 HP Air Motor

AirFORCE F4™
Diamond Chains
Optimized for pneumatic and hydraulic chainsawing

- Specifically designed for the demanding requirements of professional sawing and drilling contractors
- Now with AirFORCE F4™ Diamond chain – optimized for use with CS Unitec concrete chain saws
- Deep plunge cuts – up to 20" deep
- Square corners up to 19" with no overcuts
- Cut mechanical openings and irregular shapes
- Easily cut through reinforced concrete, brick, block, concrete pipe and natural stone
- Double flat drive shaft eliminates Trantorque
- Built-in Wallwalker provides leverage advantage to make cutting easier

CS Unitec Offers 2 Types of Concrete Chain Saws to Meet Your Cutting Requirements:

CS 536664 Pneumatic
- High torque output for tough cutting jobs
- Powerful 6.5 HP air motor
- No gas or engine fumes – ideal for confined spaces and indoor use
- Noise level: 88 dB at 3 feet (approx. 1 meter)
- Weight: 29 lbs. *(without bar and chain)*

CS 566110 Hydraulic
- Dependable, powerful 11 HP motor
- Hydraulic power for heavy-duty mining, utility, marine and construction applications
- Weight: 25 lbs. *(without bar and chain)*

Plunge cut up to 20" deep!

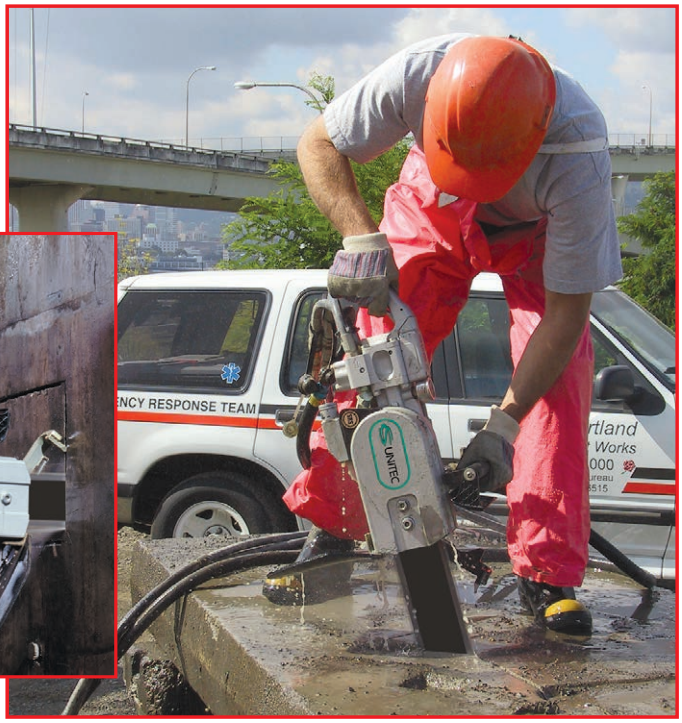
Please see page 36 for Concrete Chain Saw Accessories, including:
- *Diamond Chains*
- *Guide Bars*
- *SpeedHook®*
- *And More!*

CONCRETE SAWS

Rugged construction for demanding applications

Model CS 566110
11 HP Hydraulic Motor

AirFORCE F4™
Diamond Chains
Optimized for pneumatic and hydraulic chainsawing



Above: Optional SpeedHook® guides saw for straight cutting (see page 36).

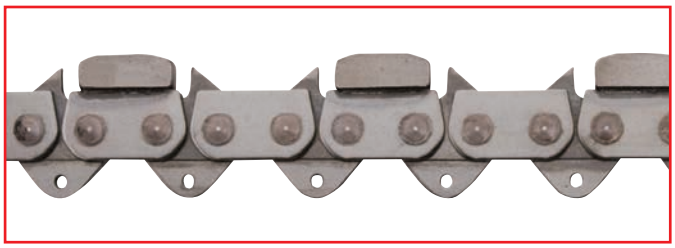
CONCRETE SAWS

Model No.	Power	No Load Speed	Max. Depth of Cut	Motor Specifications	Weight w/ Bar and Chain	No Load Torque (in.-lbs.)	Noise Level at 3 ft.
Pneumatic Concrete Chain Saw							
CS 536664-1	6.5 HP	5700 RPM	10"	124 CFM @ 90 PSI (6 bar)	32	104	88 dB
CS 536664-2	6.5 HP	5700 RPM	15"	124 CFM @ 90 PSI (6 bar)	33	104	88 dB
CS 536664-3	6.5 HP	5700 RPM	20"	124 CFM @ 90 PSI (6 bar)	34	104	88 dB
Hydraulic Concrete Chain Saw							
CS 566110-1	11 HP	5700 RPM	10"	8 GPM @ 2500 PSI (172 bar)	28	95	88 dB
CS 566110-2	11 HP	5700 RPM	15"	8 GPM @ 2500 PSI (172 bar)	29	95	88 dB
CS 566110-3	11 HP	5700 RPM	20"	8 GPM @ 2500 PSI (172 bar)	30	95	88 dB

Concrete Chain Saw Accessories

Make your concrete chain saw work for you

AirFORCE F4™ Diamond Chains



Two options for cutting

Match the Diamond Chain to the material or application:

1. *AirFORCE Premium*

For cutting concrete with steel reinforcement
10" – Part No. CC 01-2540
15" – Part No. CC 01-3810
20" – Part No. CC 05-5080

2. *AirFORCE Standard*

General-purpose Diamond Chain
10" – Part No. CC 02-2540
15" – Part No. CC 02-3810
20" – Part No. CC 03-5080

10" chain has 25 segments for 10" max. cutting depth, 9" square corners

15" chain has 29 segments for 15" max. cutting depth, 14" square corners

20" chain has 34 segments for 20" max. cutting depth, 19" square corners

CONCRETE SAWS

Guide Bars with internal water feed

10" Guide Bar
Part No. GB 01-2540
- 10" cutting capacity
- 9" depth of square cut
- For 25 segment Diamond Chain

15" Guide Bar
Part No. GB 03-3810
- 15" cutting capacity
- 14" depth of square cut
- For 29 segment Diamond Chain

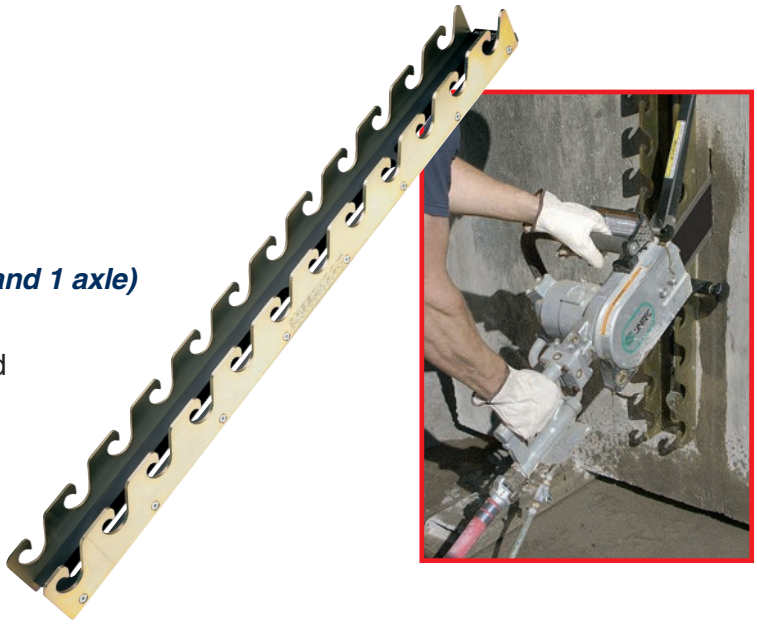
20" Guide Bar
Part No. GB 05-5080
- 20" cutting capacity
- 19" depth of square cut
- For 34 segment Diamond Chain

SpeedHook®

Guides the saw for straight cuts

SpeedHook® Complete Kit
Part No. CS 70552
(includes SpeedHook® 42" rail, 1 saw adapter and 1 axle)

- Quickly and easily attaches to wall with anchors
- Guides saw for straight cutting through reinforced concrete, brick, block and natural stone
- Note: Reduces cutting depth by 3"



Maximize Diamond Chain life with these hints

Estimated chain life for AirFORCE Premium – 29 segment chain (Part No. CC 01-3810) is approximately 600 in.-ft. in concrete with up to 5/8" rebar.

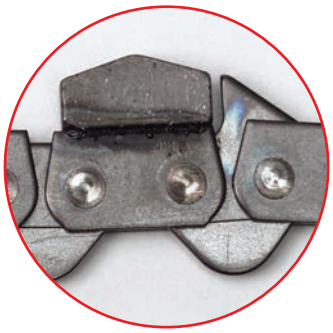
Lineal feet in common wall thickness:*

Wall Thickness	Lineal Cutting Feet
6 inches	100 feet
8 inches	75 feet
10 inches	60 feet

The cutting life of the chains is not guaranteed. There are many variables from job to job, including hardness of concrete, which make it impossible to accurately predict chain life. *These numbers are rough, starting point estimates only, not for bidding purposes. Please refer to the Operator's Manual for proper safety precautions.

Factors negatively affecting chain life:

- *Steel reinforcing…* many pieces of large-diameter rebar cause reduced life
- *Aggregate hardness…* harder aggregates cause reduced life
- *Operator experience…* first-time users generally get less chain life



Cutting tips to improve chain life:

- Use a minimum of 20 PSI water pressure
- Always cut at full throttle – slowly plunge into wall and push hard enough to cause the RPMs to drop by 25% to 30%
- Always apply *steady* feed force
- *Slowly* rock the bar and chain into the cut using *Wallwalker®* as a pry point
- Reduce arm motions – hold saw close to body, using legs and body to apply feed force; always cut with saw between shoulders and knees, preferably at waist height
- If saw begins to drift off the intended cut line, pull out and restart cut

Cut ductile iron pipe and concrete with the same chain saw drive.
- *Use Powergrit chain for ductile iron* *(see page 33).*
- *Use AirFORCE F4™ diamond chain for concrete* *(see page 36).*

Call CS Unitec for information on selecting the proper chain for your application.

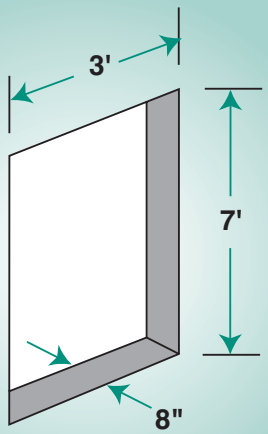
How to calculate inch-foot (in.-ft.)

An inch-foot (in.-ft.) is equal to the Depth of Cut in inches x Length of Cut in feet. This measurement is used to determine chain or blade life.

For example:

Calculate how many in.-ft. are in this doorway.

1. **Determine the Depth of Cut in inches.**
   For this example, it is 8 inches.
2. **Determine the Length of Cut in feet.**
   3 + 7 + 3 + 7 = 20 feet.
3. **Multiply the two numbers.**
   8 in. x 20 ft. = 160 in.-ft.



Note for metric users: 1cm = .3937 inches and 1 meter = 3.2808 ft.