



# Concrete Chain Saws

Pneumatic • Hydraulic

*Cut through walls, floors and columns in a single pass*



**Model CS 536163-2**  
**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
- Durable industrial finish on die-cast aluminum body stands up to harsh environments
- Built-in Wallwalker provides leverage advantage to make cutting easier

*Plunge cut up to 20" deep!*



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

## **CS 536163 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**

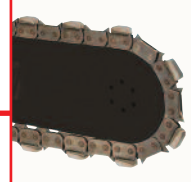
- Dependable, powerful 11 HP motor
- Hydraulic power for heavy-duty mining, utility, marine and construction applications
- Weight: 25 lbs. (without bar and chain)

*Please see page 34 for Concrete Chain Saw Accessories, including:*

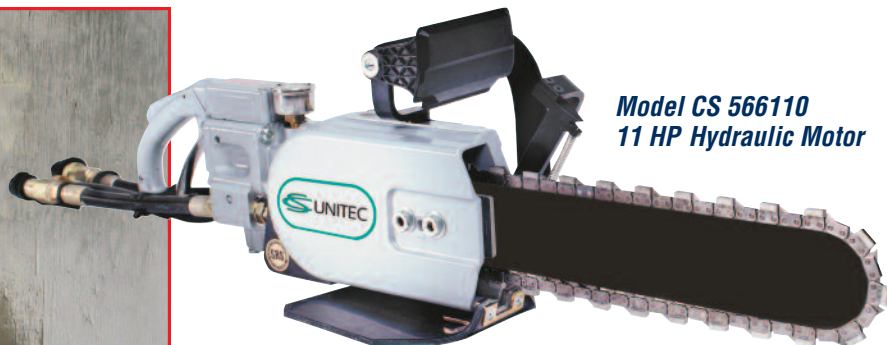
- Diamond Chains
- Guide Bars
- SpeedHook®
- And More!

# Concrete Chain Saws

*Rugged construction for demanding applications*

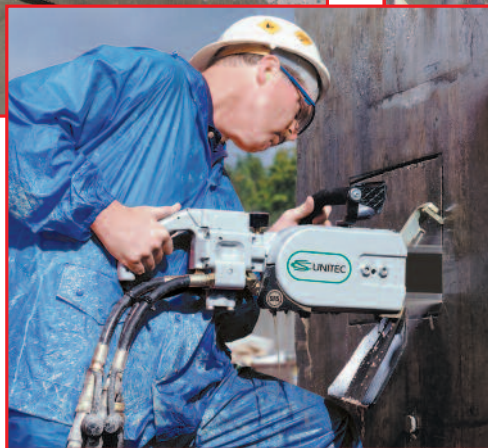


*Above: Optional SpeedHook® guides saw for straight cutting (see page 34).*



**Model CS 566110**  
**11 HP Hydraulic Motor**

**AirFORCE F4™**  
**Diamond Chains**  
*Optimized for pneumatic and hydraulic chainsawing*



CONCRETE CHAIN 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.
<b>Pneumatic Concrete Chain Saw</b>							
<b>CS 536163-1</b>	6.5 HP	5700 RPM	10"	124 CFM @ 90 PSI (6 bar)	32	104	88 dB
<b>CS 536163-2</b>	6.5 HP	5700 RPM	15"	124 CFM @ 90 PSI (6 bar)	33	104	88 dB
<b>CS 536163-3</b>	6.5 HP	5700 RPM	20"	124 CFM @ 90 PSI (6 bar)	34	104	88 dB
<b>Hydraulic Concrete Chain Saw</b>							
<b>CS 566110-1</b>	11 HP	5700 RPM	10"	8 GPM @ 2500 PSI (172 bar)	28	95	88 dB
<b>CS 566110-2</b>	11 HP	5700 RPM	15"	8 GPM @ 2500 PSI (172 bar)	29	95	88 dB
<b>CS 566110-3</b>	11 HP	5700 RPM	20"	8 GPM @ 2500 PSI (172 bar)	30	95	88 dB



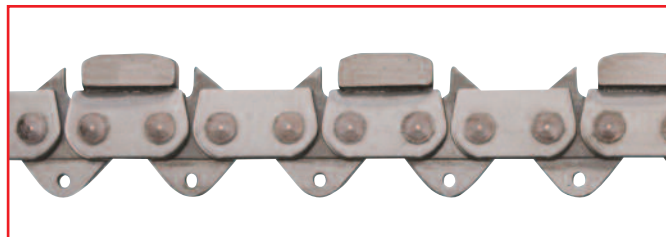
# Concrete Chain Saw Accessories

*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

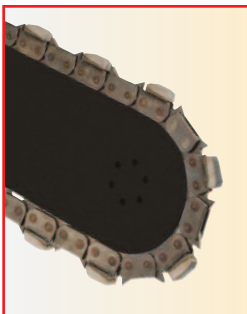
#### **2. AirFORCE Standard**

*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*



## **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

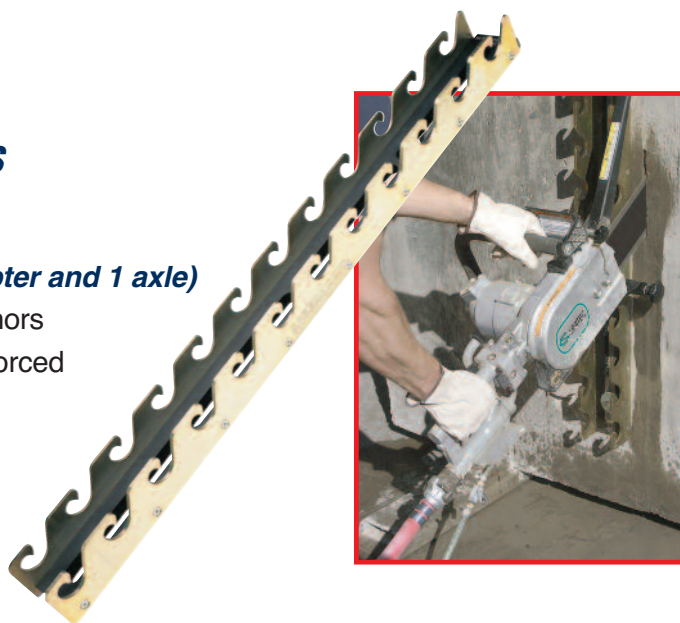
## **SpeedHook®**

### *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"



# Concrete Diamond Chain Life



## 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

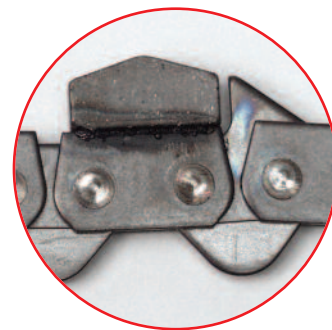
*The cutting life of the chains is not guaranteed. There are many variables from job to job, including hardness of concrete, which make it impossible to accurately predict chain life. \*These numbers are rough, starting point estimates only, not for bidding purposes. Please refer to Operator's Manual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



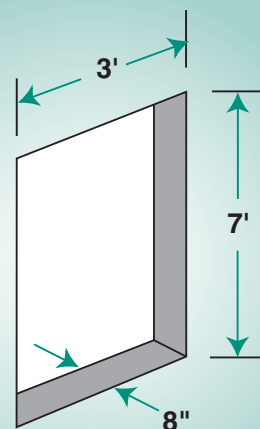
## How to calculate inch-foot (in.-ft.)

**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:

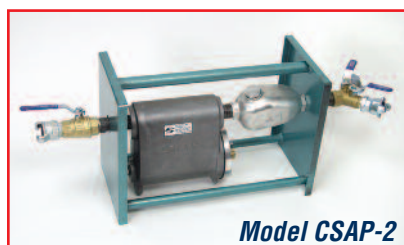
**Calculate how many in.-ft. are in this doorway.**

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.**  
 $8 \text{ in.} \times 20 \text{ ft.} = 160 \text{ in.-ft.}$



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

## AirPac Extends life of pneumatic power tools see page 37 for more information



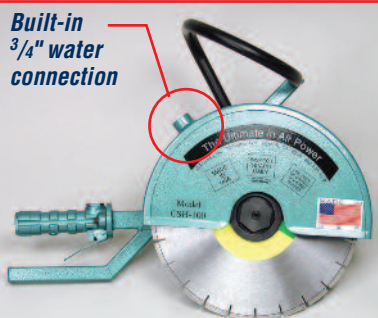
**Model CSAP-2**

- Removes moisture and dirt from air lines; a float valve automatically ejects water and dirt
- Includes automatic oiler; prevents tools from freezing in cold environments
- Eliminates air motor downtime caused by water and dirt
- Connections for two tools, max. air flow 185 CFM

# Pneumatic Cut-off Saws - Hand-held and Walk-behind

## Cut concrete, asphalt, masonry, steel and more

Built-in  
3/4" water  
connection



14" Cut-off Saw with diamond blade

### Hand-held Cut-off Saws, 14" and 18"

- Wet or dry cutting of concrete, reinforced concrete, asphalt, masonry, steel and more
- Cut up to 7" deep with no gas or engine fumes
- Low maintenance – no belts, pistons, fuel lines or carburetors
- Accept diamond or abrasive blades
- Adjustable blade guard with built-in water connection
- In-line oiler for motor lubrication
- 1" arbor size, 1/2" NPT air connection

Cut-off Saw with  
14" abrasive blade



Model No.	Power	RPM (No Load)	Max. Depth of Cut	Max. Blade Capacity	CFM @ 100 PSI	Drive	Weight (lbs.)
CSH 100	5 HP	5250	4"	14	90	Direct	22
CSH 125	9.5 HP	3200	5"	14	92	Gearbox	26
CSH 150	9.5 HP	3200	7"	18	92	Gearbox	28

### Walk-behind Cut-off Saw – 20" Capacity

- Wet or dry cutting of concrete, asphalt and other materials
- Cut up to 7" deep with no gas or engine fumes
- Low maintenance – no belts, pistons, fuel lines or carburetors
- Designed for tough cutting jobs, including joint sawing, floor sawing, trenching, road repair and plant maintenance
- 9.5 HP pneumatic motor with gearbox drive
- Rugged steel construction – yet only 107 lbs.
- Built-in water connection for wet cutting
- Built-in oiler for motor lubrication
- Optional water tank kit



1/2" NPT Air Connection (works on both left and right side); includes whip hose with coupling

Adjustable crank handle to raise and lower blade

High-torque output gear box

3/4" Water Connection

1" arbor

Pointer

Model CSR 150	
Power	9.5 HP
RPM (No Load)	2900
Max. Depth of Cut	7"
Max. Blade Capacity	20"
CFM @ 100 PSI	92
Drive	Gearbox
Weight	107 lbs.

### Diamond Cut-off Saw Blades Premium diamond blades for saws with 1" arbor

- Cut cured concrete
- Special blades for cutting asphalt, ductile iron and green concrete also available

Model No.	Size
734 906 (wet or dry)	12" x .125" x 1"
734 908 (wet or dry)	14" x .125" x 1"
734 916 (wet or dry)	16" x .125" x 1"

Model No.	Size
734 909 (wet or dry)	18" x .125" x 1"
734 910 (wet or dry)	20" x .125" x 1"
RES.403 (rescue)	14" x .125" x 1"