



Concrete Chain Saws

Pneumatic • Hydraulic

Cut through walls, floors and columns in a single pass



*Model CS 71773-2
6.5 HP Air Motor*

Built-in Wallwalker provides leverage to make cutting easier

- Specifically designed for the demanding requirements of professional sawing and drilling contractors
- Deep plunge cuts – up to 14" deep
- Square corners up to 13" 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

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

CS 71773 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 71853 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 14" deep!



Please see page 26 for Concrete Chain Saw Accessories, including:

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

Concrete Chain Saws



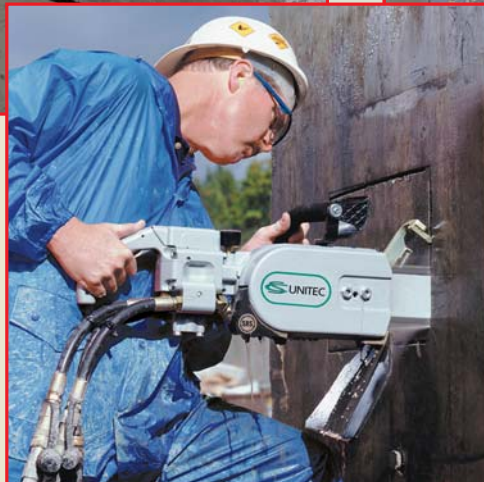
Rugged construction for demanding applications



Above: Optional SpeedHook® guides saw for straight cutting.



Model CS 71853
11 HP Hydraulic Motor



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.
Pneumatic Concrete Chain Saw							
CS 71773-1	6.5 HP	5700 RPM	10"	124 CFM @ 90 PSI (6 bar)	32	104	88 dB
CS 71773-2	6.5 HP	5700 RPM	14"	124 CFM @ 90 PSI (6 bar)	33	104	88 dB
Hydraulic Concrete Chain Saw							
CS 71853-1	11 HP	5700 RPM	10"	8 GPM @ 2500 PSI (172 bar)	28	95	88 dB
CS 71853-2	11 HP	5700 RPM	14"	8 GPM @ 2500 PSI (172 bar)	29	95	88 dB



Concrete Chain Saw Accessories

Make your concrete chain saw work for you

Diamond Chains Three options for cutting



Match the Diamond Chain to the material or application:

- | | | |
|--|---|---|
| <p>1. <u>PremiumPRO</u>
For cutting concrete with steel reinforcement
11" – CS 74715-11
15" – CS 74717-15</p> | <p>2. <u>TwinPRO</u>
General-purpose Diamond Chain
11" – CS 74721-11
15" – CS 74723-15</p> | <p>3. <u>AbrasivePRO</u>
For cutting soft, abrasive material
11" – CS 70717-11
15" – CS 70721-15</p> |
|--|---|---|
- 11" chain has 28 segments for 10" max. cutting depth, 9" square corners
- 15" chain has 33 segments for 14" max. cutting depth, 13" square corners



Guide Bars with internal water feed

11" Guide Bar
CS 72269-11

- 10" cutting capacity
- 9" depth of square cut
- Accommodates a 28 segment Diamond Chain

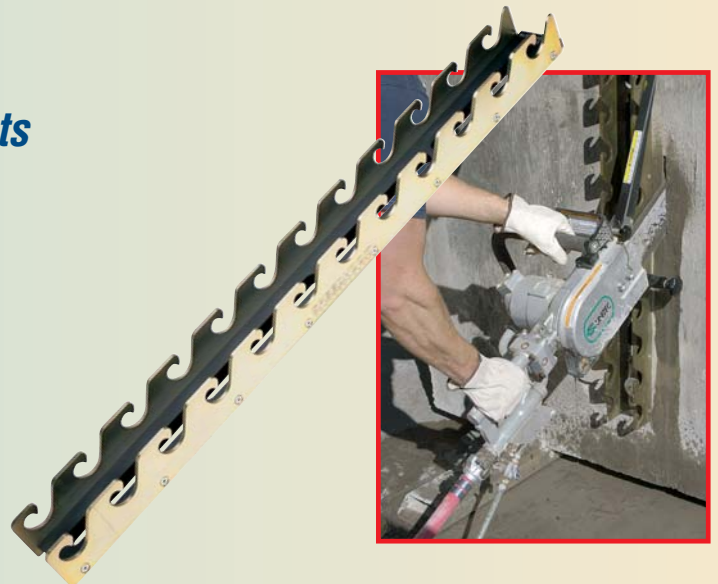
15" Guide Bar
CS 72176-15

- 14" cutting capacity
- 13" depth of square cut
- Accommodates a 33 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 PremiumPRO – 33 segment chain (Part No. CS 74717-15) 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

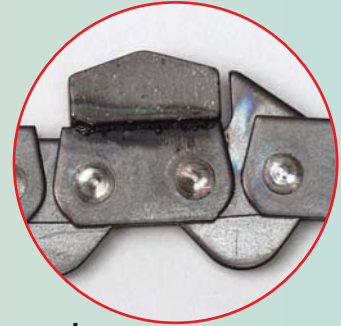
The cutting life of the chains is not guaranteed. There are many variables from job to job, including hardness of concrete, which make it impossible to accurately predict chain life. *These numbers are rough, starting point estimates only, not for bidding purposes. Please refer to Operator's Manual for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



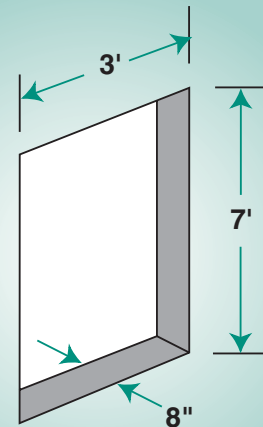
How to calculate inch-foot (in.-ft.)

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:

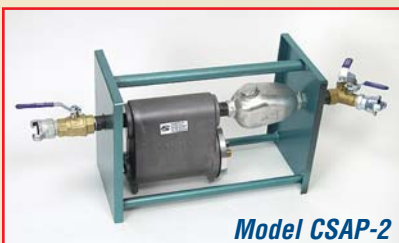
Calculate how many in.-ft. are in this doorway.

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 29 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