



ELECTRIC • PNEUMATIC • HYDRAULIC



Portable Saws

Hacksaws
Reciprocating Saws
Band Saws
Chain Saws
and more...



**For Cutting Pipe,
Structural Steel,
Concrete, Masonry,
Plastic and
Other Materials**



Heavy-duty Saws... Fast, accurate cutting on the job site!

CS Unitec's portable saws and tools are ideal for cutting pipe, structural steel, tanks, bolts, angle iron, concrete and other materials, including plastic and wood. We offer the widest range of portable pneumatic, electric and hydraulic saws in the industry.

Our saws can be used as hand-held tools or with an assortment of clamps for pipe and other materials. All CS Unitec saws are heavy-duty for use in industry and construction. Our complete saw line includes pneumatic-, electric- and hydraulic-powered tools, saw blades and accessories, all available for prompt delivery.

CS Unitec is the industry leader in:

- Portable saws for cutting pipe, metal, concrete, etc.
- Compact, lightweight, hand-held and clamp-mounted saws
- The best power-to-weight ratios
- Long-lasting, heavy-duty saw blades for fast cutting of steel, stainless steel, Inconel, chrome, Hastelloy, aluminum, iron, plastics, masonry, concrete and other materials

We offer:

- Pneumatic-, electric- and hydraulic-powered saws
- Clamps for 90° cutting of pipe, structural steel and other materials
- Compact sizes for sawing in confined spaces



ATEX Certified

Selected air and hydraulic models in our line are ATEX Certified for working in Ex Zones. Contact us for more information.



Tool and Accessory Index:

Portable Reciprocating Saws p. 4-13	
Pneumatic – Low Air Volume Pneumatic	p. 5-7
1.3 HP – The CAT	p. 10
1.6 HP – The WOLF	p. 11
Hydraulic	
2 HP – The SHARK	p. 12
Electric - The FOX	
9.5 Amp, 12 Amp	p. 12
Reciprocating Saw Blades	p. 13
Portable Hacksaws p. 14-19	
Pneumatic, Electric & Hydraulic Hacksaw Accessories	p. 14-16
Hacksaw Blades	p. 17-18
	p. 19
Portable Band Saws p. 20-23	
Pneumatic	p. 21
Electric	p. 22
Hydraulic	p. 22
Band Saw Blades and Accessories	p. 23
Pipe Cutting Machine p. 24-25	
Dry Cutting Circular Saws p. 26-29	
Pneumatic – Up to 12-5/8" Blade Dia.	p. 26-27
Electric – Up to 14" Blade Dia.	p. 28-29
Nibblers p. 29	

Chain Saws p. 30-33	
4 HP Pneumatic	p. 30
4 HP Pneumatic with Brake	p. 31
1.2 HP Pneumatic	p. 31
Saw Chains and Accessories	p. 30
Hydraulic Chain Saw	p. 32
PowerGrit Air Utility Chain Saw	p. 33
Concrete Saws p. 34-38	
Chain Saws	
Pneumatic and Hydraulic	p. 34-35
Diamond Chains and Accessories	p. 36
About Diamond Chain Life	p. 37
Cut-off Saws	
14" and 18" Pneumatic Hand-held	p. 38
20" Pneumatic Walk-behind	p. 38
Accessories p. 17, 39	
Lubricants	p. 17, 39
AirPac	p. 39
Service Unit	p. 39
Contractor Saws p. 40-41	
Stone and Tile Saws	
Circular Saw for Stone	p. 40
Diamond Saws – 5" and 9" Blade Dia.	p. 41
Drywall and Masonry Saws	
Wall Slotters	p. 40
Double Blade Sword Saw	p. 41
Underwater Tools p. 42-43	
Saws	p. 42
Magnetic Drills, Grinders, Core Drills, Rotary Hammer Drills, Impact Wrenches	p. 43

Choose your Power...



Pneumatic-powered Saws

- ATEX Certified for use in hazardous areas (selected models)
- Reliable and require less maintenance
- High power-to-weight ratios

ATEX Certified



Electric-powered Saws

- Ideal for heavy-duty cutting applications in industry and construction
- Simple and easy to use
- Available in 110 Volt/60Hz or 220 Volt/50Hz



Hydraulic-powered Saws

- Utilized for special cutting situations, such as underwater
- Ideal for professional sawing and drilling applications where hydraulic power is the norm
- ATEX Certified (selected models)

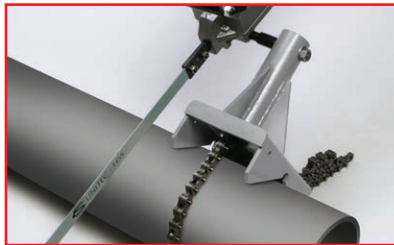


Choose your Cutting Method...



Hand-held

We lead the industry in rugged portable saws that are ideal for free-hand cutting applications.



90° with Pipe Clamps

Our portable saws are ideal for right-angle cutting of pipe and structural steel using chain clamps or vise-on clamps.



Track-mounted

We offer a variety of clamps for applications that require the saw to be stable.

Choose your Heavy-duty Blades and Chains...



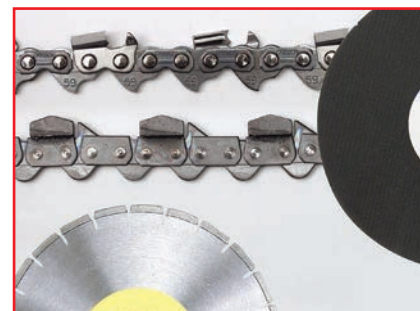
Reciprocating

Our extensive blade line includes a complete range of blades for reciprocating saws.



Heavy-duty Thick

90° cutting with a clamp is easy when you use our heavy-duty thick blades.



Chains and Blades

We offer diamond chains, carbide chains and chisel chains, as well as diamond saw blades, for a wide variety of sawing applications.



Reciprocating Air Saws



ATEX Certified

Compact, Quiet & Reliable

Low Vibration/Low Air Volume
Cut Pipe, Structural Steel, Sheet Metal, Fiberglass, Plastic and More.

RECIPROCATING SAWS

- Piston air motors use low air volume (CFM) while maintaining a fast cutting speed (2000 to 10,000 strokes per minute)
- Safe around gas and other flammable materials; recommended for fire and rescue applications where high CFM isn't available
- ATEX Certified – for use in hazardous areas
- CL and PL saws use standard hand hacksaw blades; convert to a 3/4" blade size simply by changing the nosepiece
- Rugged saw bodies constructed of heavy-duty cast steel and aluminum
- Built-in lubrication system automatically lubricates the motor
- Safety STOP/Isolator button disconnects air supply



Lubricating Oils (see pgs. 17, 39)

- ProLube™ is a super-premium, low-viscosity synthetic air tool lubricant
- ProLube-ATL/AF is a special blend preventing freezing in cold climate conditions

MS Cleaner (MS 9105)

- An ideal conditioner for air tools used underwater



PL Saws - For High-volume Production Environments

p. 5



CL Saws - For Demanding Maintenance Applications

p. 6



JP Saws - For Fiberglass and Sheet Metal Production

p. 7

Cengar Air Saw Blades

1/2" Wide Bi-metal Blades (for CL50, JP901 and PL905)

HB300/18	Hand	18 TPI	12" L
HB300/24	Hand	24 TPI	12" L
HB300/32	Hand	32 TPI	12" L
MC220/18	Machine	18 TPI	8 ³ / ₄ " L
MC220/24	Machine	24 TPI	8 ³ / ₄ " L
MYN150/18	Notched Yellow	18 TPI	6" L
MYT150/18	Tapered Yellow	18 TPI	6" L

3/4" Wide Bi-metal Blades (for CL75)

MB150/18	Machine	18 TPI	6" L
MB200/10-14	Machine	10/14 TPI	8" L
MB200/18	Machine	18 TPI	8" L
MB200/24	Machine	24 TPI	8" L
MB250/18	Machine	18 TPI	10" L
MB250/24	Machine	24 TPI	10" L
MB300/10-14	Machine	10/14 TPI	12" L
MB300/18	Machine	18 TPI	12" L

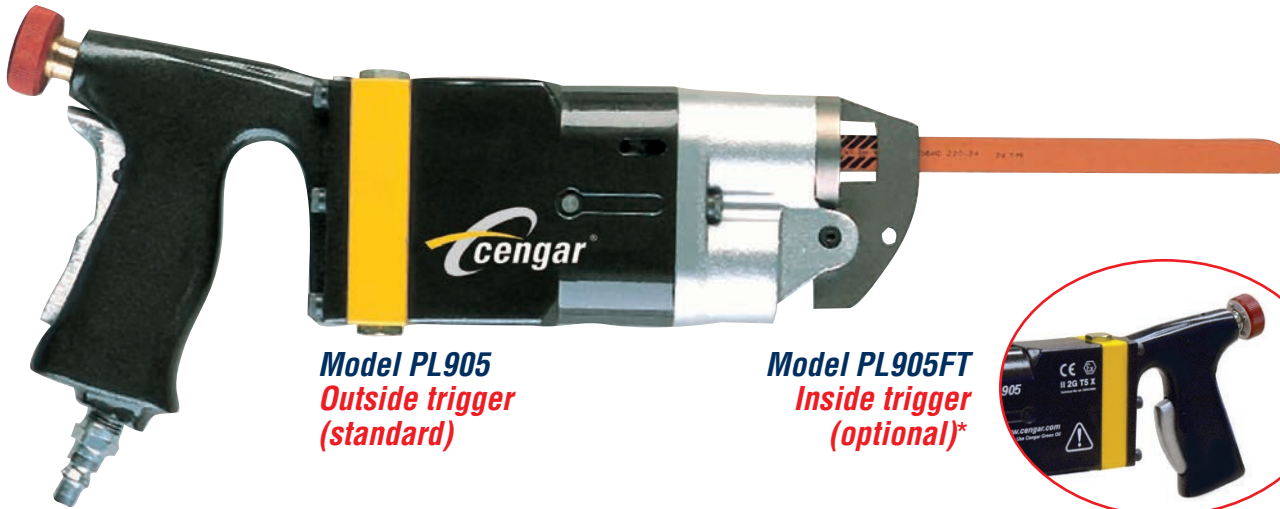
Reciprocating Air Saws



ATEX Certified



Ideal for cutting pipe, metals, fiberglass and more



Model PL905
Outside trigger
(standard)

Model PL905FT
Inside trigger
(optional)*



RECIPROCATING SAWS



Cut Sheet Metal

Low Vibration • Low Noise

- Ideal for high-volume production applications such as cutting steel, repairing wooden pallets, building and repairing truck bodies and cutting fiberglass
- Also widely used by oil and gas contractors and fire rescue services
- Sturdy cast steel and aluminum saw body
- Low air volume – only 4 CFM
- 7/8" blade stroke, up to 2000 strokes per minute
- Fitted with easy-to-use STOP/Isolator button on the handle for safety when changing blades



Cut Nails

- Uses any 1/2" (12mm) wide Bi-metal hand, machine or yellow blades
- Optional inside trigger* order PL905FT

Standard Equipment:
carrying case, five MC220/24 saw blades, air tool oil, CD operating manual, allen key.



Cengar Saw Blades and Accessories (see page 4)

- 1/2" wide Bi-metal Blades suit a wide range of applications



* Inside trigger for hand-held use only; not for use with a clamp. This trigger style cannot be locked on.

Models PL905 / PL905FT

Motor Power	1 HP
Stroke Length	7/8"
Strokes per Min.	2000
Weight	5 1/4 lbs.
Length x Height x Width	11 3/4" x 5 1/4" x 1 5/8"
Air Consumption	4 CFM
Air Pressure	90 PSI
Air Connection	1/4" NPT
Air Hose	1/4" ID
Noise Level (dB)	69
Vibration Level (m/s ²)	1.73



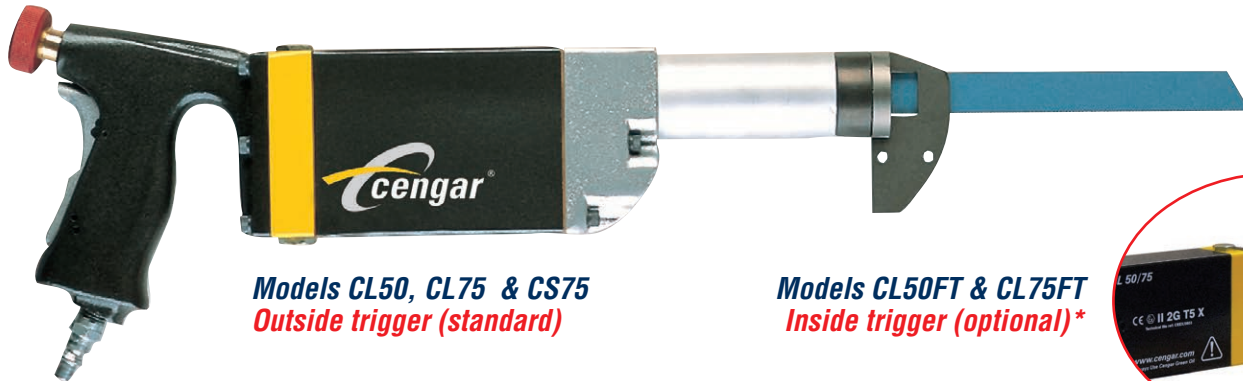
Reciprocating Air Saws



ATEX Certified

Ideal for cutting metal, timber and fiberglass

RECIPROCATING SAWS



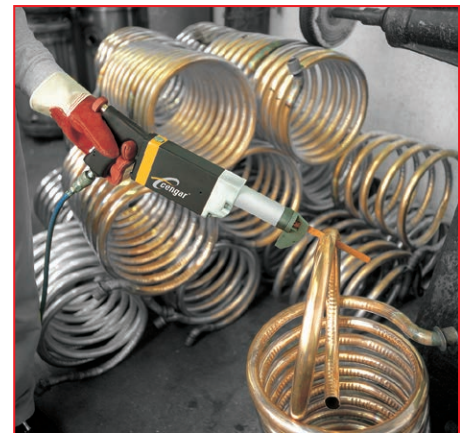
Models CL50, CL75 & CS75
Outside trigger (standard)

Models CL50FT & CL75FT
*Inside trigger (optional)**



Low Vibration • Low Noise

- Workhorses for use in the fabrication, shipbuilding, ship repair, oil and petrochemical, boat building and aircraft maintenance fields, as well as by fire and rescue professionals
- Fitted with easy-to-use STOP/Isolator button on the handle for safety when changing blades
- CL50 uses any 1/2" (12mm) wide Bi-metal hand or machine blade – easily converted to a CL75 by changing the nosepiece
- CL75 and CS75 use a 3/4" (19mm) wide Bi-metal machine blade
- Optional inside trigger order CL50FT or CL75FT (inside trigger for hand-held use only; not for use with a clamp – this trigger style cannot be locked on)



Model CS75 accurately cuts steel pipe up to 6" dia.



Model CS75 includes a Clamp Fixing Kit and standard Pipe/Profile Clamp (P/N CCSG3)

CS75 Standard Equipment: Clamp Fixing Kit, standard Pipe/Profile Clamp (P/N CCSG3), five MB250/10-14 saw blades, air tool oil and plastic carrying case.

Models CL50 & CL75 / CL50FT & CL75FT and CS75

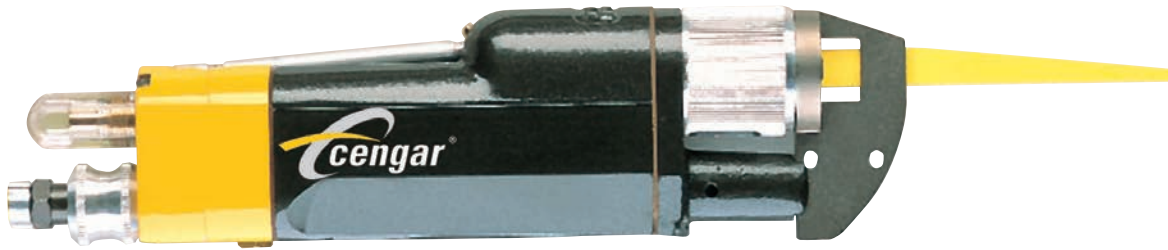
Motor Power	1 HP
Stroke Length	1 3/4"
Strokes per Min.	1200
Weight	5 1/2 lbs.
Length x Height x Width	15 3/4" x 5 1/4" x 1 5/8"
Air Consumption	5 3/4 CFM
Air Pressure	90 PSI
Air Connection	1/4" NPT
Air Hose	1/4" ID
Noise Level*	83 dB(a)
Vibration Level*	3.69 m/s ²

* Model CS75: Noise Level is 92.4 dB(a) and Vibration Level is 3.2 m/s²

CL50, CL75, CL50FT and CL75FT Standard Equipment: carrying case, five MC220/24 saw blades, air tool oil, CD operating manual, allen key.



Ideal for cutting fiberglass, light-gauge metal & fiberboard



Model JP901

Speedy, lightweight air saw for repair and construction environments

RECIPROCATING SAWS

Low Vibration • Low Noise

- Ideal for cutting fiberglass, light-gauge metal and fiberboard up to 3/8" (10mm) thick
- Utilized by boat builders and in the construction and repair of car, bus and truck bodies
- Low air consumption – only 4 CFM
- 3/8" blade stroke, up to 10,000 strokes per minute
- Has automatic lubrication and an easy-to-use STOP/Isolator button on the handle for safety when changing blades
- JP901 uses any 1/2" (12mm) wide Bi-metal hand, machine or yellow blades and can be easily converted to use 3/4" blades by simply changing the nosepiece

Standard Equipment: carrying case, five MYN150/18 saw blades, five MYT150/18 saw blades, air tool oil, CD operating manual, allen key.



Cengar Saw Blades and Accessories (see page 4)

- 1/2" and 3/4" wide Bi-metal Blades suit a wide range of applications
- To fit our 3/4" Bi-metal Blades, order 3/4" nosepiece – Part. No. 5075



Model JP901	
Motor Power	1 HP
Stroke Length	3/8"
Strokes per Min.	10,000
Weight	3 1/2 lbs.
Length x Height x Width	10 3/4" x 2 3/4" x 1 5/8"
Air Consumption	4 CFM
Air Pressure	75 PSI
Air Connection	1/4" NPT
Air Hose	1/4" ID
Noise Level (dB)	69
Vibration Level (m/s ²)	1.23



Portable Reciprocating Saws

*The most powerful
in the industry!*

*Hand-held or clamp-on cutting in
tough environments*

Pneumatic • Hydraulic • Electric

*Ideal for a wide range of industries,
including subsea, gas utilities,
offshore oil, petrochemical, power
generation, industrial plant
maintenance and construction*

- Fast cutting of pipe, structural steel, bolts, nails, pallets and other material
- The best power-to-weight ratios in the industry
- Compact size allows cutting in confined spaces
- ANC gear drive reduces friction and increases gear life and power output
- Cut steel pipe and channel up to 6" dia. (or plastic pipe up to 8" dia.)
- 90° cuts with optional clamps



**Pipe Clamps for
90° Cutting**

*Cut faster by increasing
your leverage
5x while safely
securing the
saw with our
Pipe Clamps.*

90°

1/2" - 2" Pipe Vise Clamp – Model No. 259 983

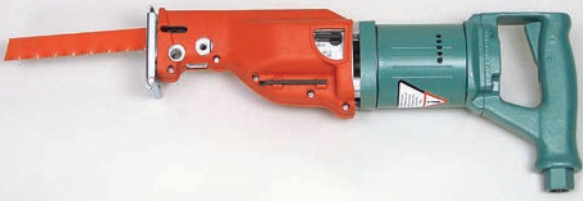
2 1/2" - 4" Pipe Vise Clamp – Model No. 563 100

1/2" - 6" Pipe Chain Clamp – Model No. 251 259



**The CAT - 1.3 HP Pneumatic
Reciprocating Saw**

p. 10



**The WOLF - 1.6 HP Pneumatic
Reciprocating Saw**

p. 11



**The SHARK - 2 HP Hydraulic
Reciprocating Saw**

p. 12



Two Models:
Spade (below) or D-handle
(right) available.

**The FOX - 9.5 and 12 Amp
Electric Reciprocating Saws**

p. 12

Pipe Clamp for Pipes & Profiles

Model No. CP1 Universal Clamp

- Easily attaches to recip saws and portable hacksaws for 90° cuts in tight spaces
- Self-aligning feet adjust to the form of the workpiece (round, square and angled)
- 1/2" to 6" capacity with recip saws – see page 18 for use with portable hacksaws



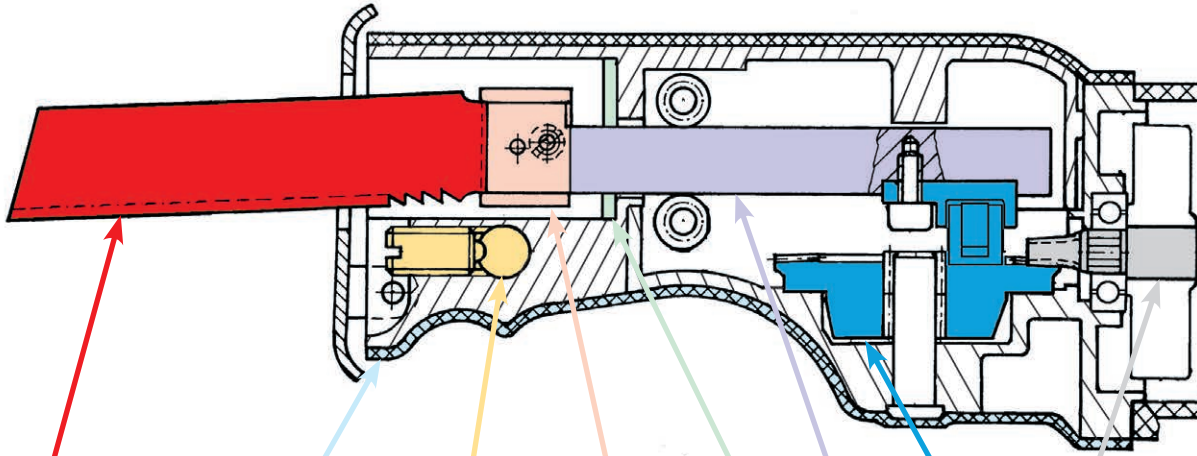
Reciprocating Saws

The New Generation Gear Head ANC = All-round Needle-bearing Crank Drive



RECIPROCATING SAWS

CS Unitec's reciprocating saws cut faster and last longer than other saws in their class. The ANC gear drive and heavy-duty air or electric motor provide the best power-to-weight ratio in the industry.



Universal 1/2" tang, double-tang or M-Tooth blade moves in aggressive orbital action

Ergonomically shaped housing grip

Pipe clamp connection

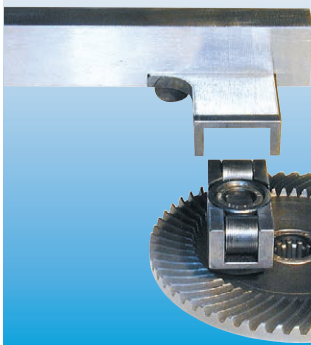
Patented saw blade mount

Silicone gasket

Patented square lift rod

ANC gear drive

Powerful, heavy-duty pneumatic or electric motor



ANC Gear Drive: Low Friction • High Torque

The new, unique design of the ANC gear:

- reduces friction and wear, resulting in less heat and longer service life.
- resists dust and water, making the gear head maintenance free.
- allows for aggressive high-torque cutting, providing good chip flow and long blade life.

Reciprocating Saw Blades



Standard Blades

All CS Unitec reciprocating saws can use the widely available standard reciprocating blades with the 1/2" universal tang.



Heavy-duty Blades

These blades are much thicker than standard blades and have a stronger double-tang mount for heavy-duty cutting, either free-hand or with a clamp.



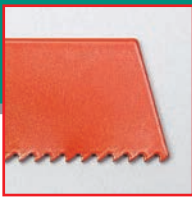
Cut in Both Directions!

M-Tooth Blades

Unique tooth geometry allows these blades to cut in both directions – twice as fast!

Extremely versatile, CS Unitec's reciprocating saws use the universal 1/2" tang or special double-tang saw blades (see page 13). Our extra-thick saw blades resist bending and cut pipe at right angles with a pipe clamp.

In addition, CS Unitec's Mega Sharp M-Tooth saw blades (see page 13) have a unique, patented tooth geometry that allows these blades to cut quickly with each stroke, forward and back, saving time and money.



1.3 HP Pneumatic Reciprocating Saw

Ideal for cutting pipes, structural steel, pallets and more

RECIPROCATING SAWS

The CAT



Model 5 1217 0020
Use hand-held or with a clamp



Model 5 1217 0020 includes carrying case and two No. 1001 heavy-duty blades.



ATEX Certified

- Cuts steel pipe and channel up to 6" dia., plastic pipe to 8" dia.
- Ideal for the toughest use in refineries, chemical plants, gas utilities, construction, offshore oil, mining, marine and demolition industries
- 1.3 HP air motor provides more power than conventional air saws
- 1 1/8" blade stroke for fast, efficient cutting
- Can be mounted on a pipe clamp to make 90° cuts
- Variable speed of 0-1800 strokes per minute
- Accepts universal saw blades or thicker, heavy-duty double-tang saw blades (see page 13)
- Molded rubber boot for ergonomic grip



Saw Kit (5 1217 0060) includes saw, 6" pipe clamp, case and five No. 1001 heavy-duty blades.

Pipe Clamps for Straight Cutting up to 6" dia. (P/N 251 259)

- Increase leverage 5x for faster cutting
- Safely secure the saw while cutting



Reciprocating Saw Blades and Accessories (see page 13)

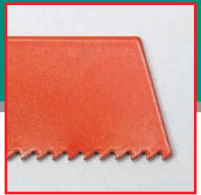
- Universal saw blades
- Thicker, heavy-duty double-tang blades for 90° cuts
- M-Tooth blades to cut on forward and back stroke



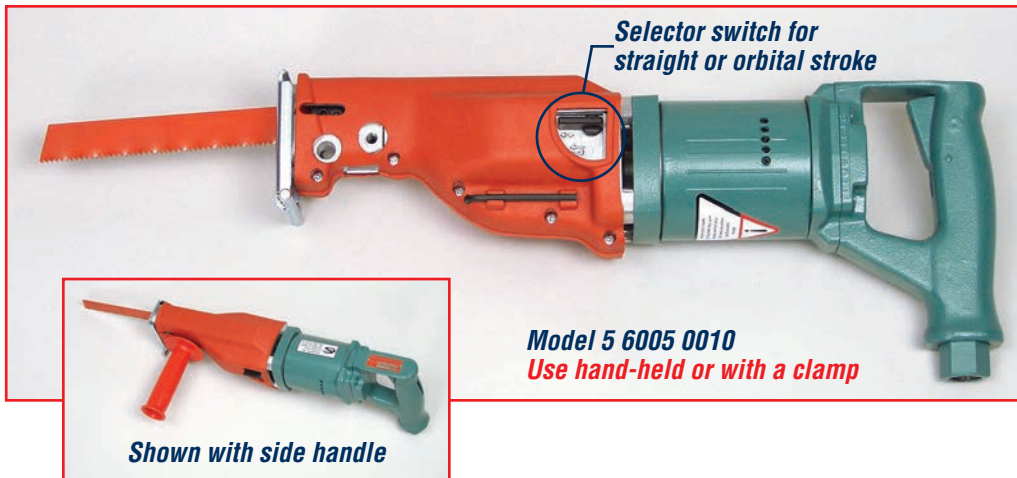
Model 5 1217 0020

Motor Power	1.3 HP
Stroke Length	1 1/8"
Strokes per Min.	0-1800
Weight	9 lbs.
Length	15 7/8"
Air Consumption	46 CFM
Air Pressure	90 PSI
Air Connection	1/2" NPT (ID)
Saw Kit	Order Model 5 1217 0060

1.6 HP Pneumatic Reciprocating Saw



Ideal for cutting pipe, structural steel and other materials

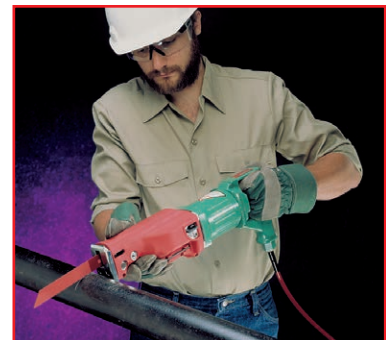


Model 5 6005 0010
Use hand-held or with a clamp

RECIPROCATING SAWS

The WOLF

- Cuts steel pipe and channel 1/2" to 6" dia., plastic pipe to 8" dia.
- Powerful 1.6 HP motor with reciprocating action for steel and long orbital stroke for cutting soft materials including wood, plastic and aluminum
- Can be mounted on a pipe clamp to make 90° cuts (see page 18)
- 1 1/8" blade stroke for fast, efficient cutting
- Selector switch changes stroke setting to either straight or orbital
- Variable speed from 0-2200 strokes per minute
- Accepts universal saw blades or thicker, heavy-duty double-tang saw blades (see page 13)
- Molded rubber boot for ergonomic grip; side handle included



Pipe Clamps for Straight Cutting up to 6" dia.
(P/N 251 259)

- Increase leverage 5x for faster cutting
- Safely secure the saw while cutting

Saw Kit (5 6005 0060) includes saw, 6" pipe clamp, case, side handle and five No. 1001 heavy-duty blades.



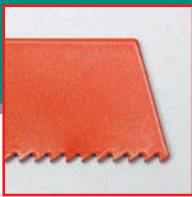
Reciprocating Saw Blades and Accessories (see page 13)

- Universal saw blades
- Thicker, heavy-duty double-tang blades for 90° cuts
- M-Tooth blades to cut on forward and back stroke



Model 5 6005 0010

Motor Power	1.6 HP
Stroke Length	1 1/8"
Strokes per Min.	0-2200
Weight	10 3/4 lbs.
Length	17 3/4"
Air Consumption	51 CFM
Air Pressure	90 PSI
Air Connection	1/2" NPT (ID)
Saw Kit	Order Model 5 6005 0060



Hydraulic Reciprocating Saw

Subsea, mining, utility and construction applications

The SHARK

- Underwater, mining, utility and construction applications
- Operate on 2000 PSI / 6 GPM (up to 13 GPM) hydraulic oil
- Cuts steel pipe and channel 1/2" to 6" dia., plastic pipe to 8" dia. and wood up to 8" dia.



Reciprocating Saw Blades and Accessories (see page 13)

- Universal saw blades
- Thicker, heavy-duty double-tang blades for 90° cuts
- M-Tooth blades to cut on forward and back stroke



Model 5 1219 0010
Use hand-held or with a clamp

Model 5 1219 0010

Motor Power	2 HP
Oil Pressure	2000 PSI
Oil Flow	6 GPM (up to 13)
Strokes per Min.	1700
Weight	13.2 lbs.
Hydraulic Connection	M 18 x 1.5 Female
Hose ID*	1/2" ID with 1/2" FF Couplings

* Hoses are not included

Electric Reciprocating Saw

The FOX
mini hacksaws –
industry's most powerful electric recip saws!

- Cut steel pipe and channel 1/2" to 4" dia., plastic pipe to 8" dia.
- Powerful 9.5 and 12 Amp motors, 110 Volt/60Hz (or 220 Volt/50Hz)
- Ideal for plumbing and electrical contractors as well as demolition jobs, pallet cutting and more
- 1 1/8" blade stroke for fast cutting
- 0-2200 variable stroke speed for models 5 6002 6000 and 5 6002 7000



Models 5 6002 0000 and 5 6002 6000 with spade handle. Model 5 6002 6000 has variable-speed control dial.



Model 5 6002 7000 with D-handle variable-speed trigger.

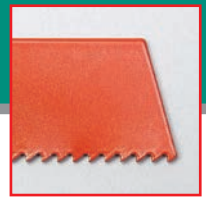
Accept universal saw blades or thicker, heavy-duty double-tang saw blades (see page 13)

Standard equipment includes 2" pipe clamp (#259 983), carrying case and two No. 1001 blades

Model No.	Power	Stroke Length	Strokes per Min.	Handle Style	Length	Weight (lbs.)
Single Speed						
5 6002 0000	9.5 Amp, 110V*	1 1/8"	2200	Spade	19"	6
Variable Speed						
5 6002 6000**	12 Amp, 110V*	1 1/8"	0-2200	Spade	19"	6
5 6002 7000**	9.5 Amp, 110V*	1 1/8"	0-2200	D-handle	19"	6

* 220 Volt also available ** 5 6002 6000 with speed control dial, 5 6002 7000 with variable-speed trigger.

Reciprocating Saw Blades



Super quick and precise for pipe, steel, plastic, etc.

****Use ProLube™ Specialty Lubricants with your Reciprocating Saw Blades to help your tools work cooler, longer and more efficiently. ProLube Lubricants are non-toxic and ideal for stainless steel and hard metal cutting applications. See pages 17 and 39 for details.****

RECIPROCATING SAWS

Extra-thick Blades for 90° Cutting with a Pipe Clamp, Double Shank*

No. 1001	Cuts pipe up to 2"	8 TPI	6" L x 1" W x .060" T
No. 1002	Cuts pipe up to 4"	8 TPI	8" L x 1" W x .060" T
No. 007D/200*	Cuts pipe up to 4"	M-Tooth	8" L x 1" W x .050" T

* 007D/200 has universal 1/2" tang



Heavy-duty HSS Bi-metal Blades for Freehand Sawing, Double Shank

Made of tough, resilient steel with 10/14 variable tooth pitch. The large blade width and double-shank mount deliver excellent cutting performance and durability.

No. 1005	10/14 TPI	6" L x 1" W x .035" T
No. 1003	10/14 TPI	8" L x 1" W x .035" T
No. 1004	10/14 TPI	12" L x 1" W x .035" T



General-purpose Bi-metal Saw Blades with Universal 1/2" Shank

Metal 1/8" and Thicker

No. 3013/150	14 TPI	6" L x 3/4" W x .035" T
No. 3013/200	14 TPI	8" L x 3/4" W x .035" T
No. 3018/280	10 TPI	12" L x 3/4" W x .035" T

Metal up to 1/8" Thick

No. 3014/150	18 TPI	6" L x 3/4" W x .035" T
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Metal up to 1/8" Thick (for Curved Cuts)

No. 3017/90	18 TPI	3 5/8" L x 5/16" W x .035" T
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Plastic, Wood, Plasterboard

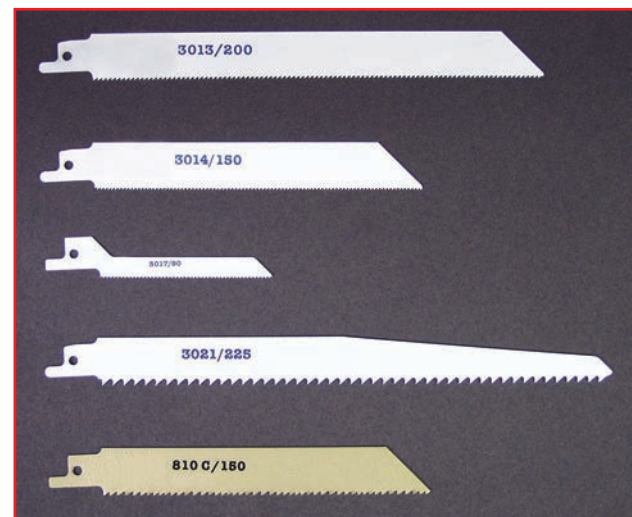
No. 3021/150	6 TPI	6" L x 3/4" W x .035" T
No. 3021/225	6 TPI	8" L x 3/4" W x .035" T
No. 3021/300	6 TPI	12" L x 3/4" W x .035" T

All Woods with Steel (i.e. Embedded Nails)

No. 810C/150	8/10 TPI	6" L x 3/4" W x .035" T
No. 810C/225	8/10 TPI	9" L x 3/4" W x .035" T

Cast Steel, Ductile Iron, Ceramics and Glass Fiber Products

No. D12/200	Tungsten Carbide Coarse	8" L x 3/4" W
--------------------	-------------------------	---------------



Mega Sharp M-Tooth Saw Blades for Freehand Cutting with Standard 1/2" Shank

CUTS TWICE AS FAST!

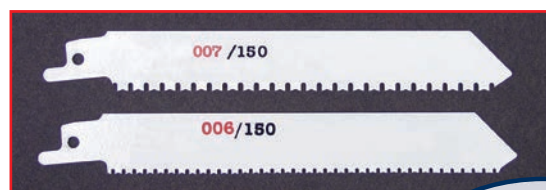
M42 Bi-metal for cutting steel and stainless steel

Metal 1/8" and Thicker

No. 007/150	M-Tooth	6" L x 3/4" W x .035" T
No. 007/200	M-Tooth	8" L x 3/4" W x .035" T
No. 007/280	M-Tooth	12" L x 3/4" W x .035" T

Metal up to 1/8" Thick

No. 006/150	M-Tooth	6" L x 3/4" W x .035" T
No. 006/200	M-Tooth	7" L x 3/4" W x .035" T



The patented M-Tooth saw blade cuts 2x faster than ordinary blades. The teeth are designed to cut on the forward and back strokes, thereby saving time.





Portable Hacksaws for Tough Duty

On-site cutting of pipe up to 30" OD and structural steel

Pneumatic • Electric • Hydraulic

CS Unitec's power hacksaws offer a wide range of options for portable cutting of pipe, structural steel, tanks and other materials. Our saws are designed for the toughest service in refineries, power plants, utilities, offshore oil, construction and demolition applications and are ideal for shutdowns and turnarounds in process piping industries. CS Unitec's pneumatic saws are safer than cutting with a welding torch in hazardous areas or confined spaces.

- Compact size, ideal for cutting in confined spaces
- 2³/₈" blade stroke
- Pipe clamps for 90° cutting of up to 30" OD pipe
- Profile clamps for structural steel
- Wide variety of blades and accessories for cutting steel, stainless steel, aluminum, plastic and wood
- Optional blade guide to ensure right-angle cuts
- Automatically cut pipe with our optional self-feeding, pneumatic-powered pipe clamp system



HACKSAWS

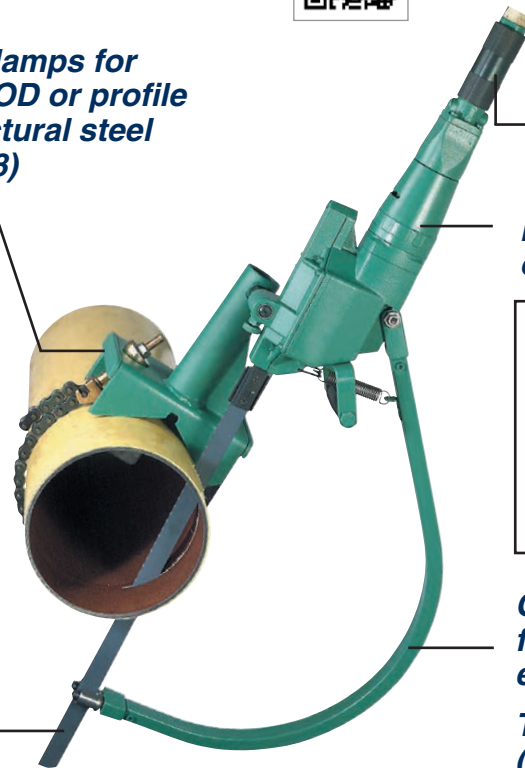


Assorted pipe clamps for pipes up to 30" OD or profile clamps for structural steel (see pages 17-18)

Manual or automatic feed

Heavy-duty saw blades from 8" to 37" long

HSS, HSS-SL, and carbide-coated blades available (see page 19)



Twist or lever throttle

Pneumatic, electric or hydraulic motor

Pneumatic:
3/4" NPT Connection

Electric:
110 Volt (220V available)

Hydraulic:
1/2" FF (HTMA) Couplings

Optional saw blade guide for added blade stability – ensures straight cutting!

Two sizes available (Not required – see page 18)

Portable Pneumatic Power Hacksaws



Pneumatic power for hazardous environments

Model 5 1212 0050
with lever throttle
Pneumatic

ATEX Certified

3/4" NPT Air Connection

ATEX Certified for Ex Zone EX II 2 GcT5

Throttle Types for Pneumatic Saws:



Roll Throttle
(air model 5 1212 0010 only)
– used only with automatic feed pipe clamp (see page 18)

Lever Throttle
(model 5 1212 0050) – provides on/off paddle switch for manual cutting with clamp

- Pneumatic motor with variable speeds
- Ideal for cutting pipe, tanks, structural steel, profiles and other materials
- Designed for the toughest service in refineries, chemical plants, utilities, pipelines, construction, offshore oil and demolition applications
- Cut pipe up to 30" OD in one pass
- Chain clamps and profile clamps available for accurate 90° cutting of pipe and structural steel
- 2³/₈" stroke for heavy-duty cutting
- Ideal for cutting in confined spaces
- Accommodate heavy-duty blades up to 37" long
- Optional saw blade guides to increase blade stability (see page 18)
- Pneumatic pipe clamp system available for automatically cutting pipe; easily attaches to pneumatic hacksaw and shares same air supply (see accessory No. 5 1208 9980 on page 18)

Pipe Capacity
30" OD
Profile Capacity
21³/₄" h x 11¹/₂" w

HACKSAWS

Clamps

Manual	Automatic

Clamps for Pipes and Profiles – manual and automatic-feed clamps for straight, 90° cutting of pipes and profiles (see pages 17-18)



Accessory Saw Blades
(see page 19)

- HSS (High-speed Steel), HSS-SL (for stainless steel and hard metal) and Carbide Coated



Carrying Case for Pneumatic Hacksaws – Optional metal carrying case for 5 1212 0010 and 5 1212 0050 – order accessory No. 5 1212 9000.

Model No.	Power	Throttle	Motor Specifications	Strokes per Min.	Blade Stroke	Hose	Weight (lbs.)
Pneumatic - 3/4" ID NPT Air Connection							
5 1212 0010*	1.5 HP	Roll	Air Consumption: 51 CFM	100-350	2 ³ / ₈ "	1/2" ID	15.4
5 1212 0050*	1.5 HP	Lever	Air Pressure: 90 PSI	100-350	2 ³ / ₈ "	1/2" ID	15.4

* Carrying case not included with air models – for optional carrying case, order accessory No. 5 1212 9000



Portable Power Hacksaws

Electric and hydraulic power

Model 5 1215 0070
with variable speed
Electric



11 Amps / 110 Volt (220 Volt Available)

Model 5 1220 0050
with lever throttle
Hydraulic



1/2" FF Couplings



**Accessory
Saw Blades**
(see page 19)

- HSS (High-speed Steel), HSS-SL (for stainless steel and hard metal) and Carbide Coated

- Electric or hydraulic motor with variable speeds
- Ideal for cutting pipe, tanks, structural steel, profiles and other materials
- Designed for the toughest service in refineries, chemical plants, utilities, pipelines, construction, offshore oil and demolition applications
- Cut pipe up to 30" OD in one pass
- Chain clamps and profile clamps available for accurate 90° cutting of pipe and structural steel
- 2³/₈" stroke for heavy-duty cutting
- Ideal for cutting in confined spaces
- Accommodate heavy-duty blades up to 37" long
- Optional saw blade guides to increase blade stability (see page 18)
- Automatic-feed pipe clamp system available for automatically cutting pipe – saves operator time and makes work easier (see accessory Part No. 5 1208 9990 on page 18)

Pipe Capacity
30" OD

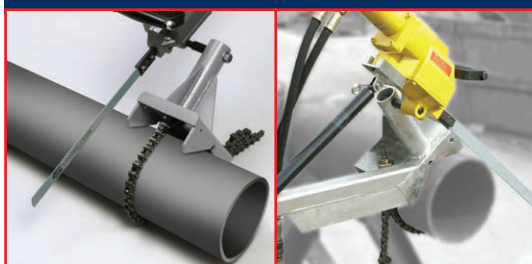
Profile Capacity
21³/₄" h x 11¹/₂" w

HACKSAWS

Clamps

Manual

Automatic



Clamps for Pipes and Profiles – manual and automatic-feed clamps for straight, 90° cutting of pipes and profiles (see pages 17-18)

Model No.	Power	Throttle	Motor Specifications	Strokes per Min.	Blade Stroke	Hose	Weight (lbs.)
Electric - 11 Amps / 110 Volt**							
5 1215 0070*	1.5 HP	Trigger	110V/60 Hz (220V/50Hz is available)	200-400	2 ³ / ₈ "	Cable	13
Hydraulic - 1/2" FF (HTMA) Couplings							
5 1220 0050	3.8 HP	Lever	Oil Flow: 4 GPM at 2000 PSI	100-500	2 ³ / ₈ "	1/2" ID	13.5

* Model 5 1215 0070 has an electronic speed control dial. **Also available as 220 Volt/50 Hz

Hacksaw Accessories



Heavy-duty cutting of pipe and structural steel

Clamps for Pipes and Profiles

Ensure 90° cuts through pipe and profiles

**Large Pipe Clamp,
Model 5 1202 9960**



Model No. 5 1202 9960
4" to 12³/₄" OD pipe clamp – manual tightening of chain*

Model No. 5 1202 9950
4" to 12³/₄" OD pipe clamp – lever lock provides no-tools tightening of chain*

* up to 24" OD with one extension chain;
up to 30" with two extension chains – see Part No. 5 1201 9030 shown below



**Small Pipe Clamp,
Model 5 1207 9910**



Up to 6" pipe dia.

Model No. 5 1207 9910
2" to 6" OD pipe clamp

Model No. 5 1207 8970
21⁵/₈" x 11³/₈" profile clamp

**Lever Lock Assembly
Part No. 5 1202 9970**

Can be used to retrofit manual clamp 5 1202 9960 for no-tools tightening of chain. Also fits similar clamps.



**Profile Clamp,
Model 5 1207 8970**

HACKSAWS

Extension Chains for Pipe Clamps

- Extend capacity of pipe clamps up to 24" OD

Model No. 5 1201 9010 – 17³/₄" chain extension

Model No. 5 1201 9030 – 39³/₈" chain extension

(two of these chains allows pipe clamp Nos. 5 1202 9950, 5 1202 9960, 5 1208 9980 and 5 1208 9990 to fit 30" OD pipe)



ProLube™ Lubricants ideal for cutting steel, stainless steel and hard metals

Cutting tools work cooler, longer and more efficiently with ProLube™ Lubricants from CS Unitec.

- Improve cutting tool output and performance
- Prolong tool life by reducing friction and wear
- Unique composition provides excellent adhesion to cutting tools for maximum lubrication
- Corrosion inhibitor
- Ideal for saw blades and drill bits
- Non-toxic

ProLube Solid

CS 7020-013

1.6 oz. push tube

CS 7020-000

14.5 oz. push tube



High film strength – stays on for the cut!



ProLube Liquid

Water soluble 16:1

CS 7010-504 1 gal. bottle

ProLube Paste

CS 7030-712 12 oz. tub



Hacksaw Accessories

Automatic-feed pipe clamps save time and effort

Self-feeding Pipe Clamp for Pneumatic Saws



Air-Powered Clamp



Model No. 5 1208 9980 – Automatic Clamp

- Save time and effort by automatically cutting pipe up to 12³/₄" OD (up to 30" OD with extension chains – see page 17)
- Self-feeding device saves operator time, increases safety and makes work easier
- Easily attaches to CS Unitec air hacksaw and shares same 90 PSI air supply (Pipe clamp for use only with CS Unitec air hacksaw Model No. 5 1212 0010)
- Blade guide for straight cutting through pipe and difficult materials is optional (see below)



Self-feeding Pipe Clamp for Electric and Hydraulic Saws



Self-Feeding Mechanical Clamp

Model No. 5 1208 9990 – Automatic Clamp

- Save time and effort by automatically cutting pipe up to 12³/₄" OD (up to 30" OD with extension chains – see page 17)
- Self-contained gas cylinder provides constant feed pressure to saw blade
- Saves operator time, increases safety and makes work easier
- Easily attaches to CS Unitec electric hacksaw 5 1215 0070 or hydraulic hacksaw 5 1220 0050
- Optional blade guide for straight cutting through pipe and difficult materials (see below)



Blade Guides

Optional guides with two roller bearings

- Ensure straight cutting through pipe and difficult materials

Model No. 5 1207 9970 for pipes up to 13" (20" min. blade length required)

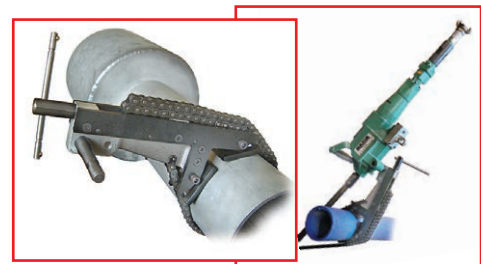
Model No. 5 1207 8910 for pipes up to 21" (30" min. blade length required)



Clamps for Pipes and Profiles

Model No. CP1 – Universal Clamp

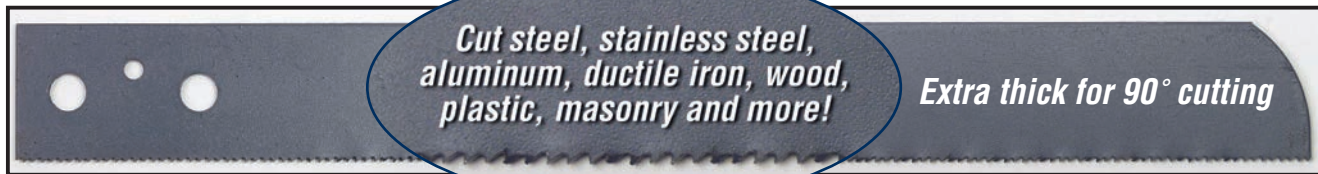
- Self-aligning feet adjust to the form of the workpiece (round, square and angled)
- Accommodates 1/2" to 12³/₄" OD [up to 24" OD with extension chain Part No. CP1/10 (39³/₈" long)]



Hacksaw Blades - 8" up to 37" long



Heavy-duty cutting of pipe and structural steel



HSS or HSS-SL Saw Blade Shown

*Use HSS-SL Blades for best cutting performance on stainless steel and hard metal.

Use ProLube™ Specialty Lubricants with Hacksaw Blades to help tools work cooler, longer and more efficiently. ProLube Lubricants are non-toxic and ideal for stainless steel and hard metal cutting applications. See page 17.

HACKSAWS

Order No.	Dimensions			Steel and Nonferrous Metal	Plastic and Wood	Ductile/Cast Iron and Masonry	Max. Dia. of Cut
	Length	Teeth/Inch	Thickness				
Z22-9 HSS	8"	8	1/16"	Steel/Aluminum	Plastics	—	3 1/8"
Z22-10 HSS	8"	16	1/16"	Steel	—	—	3 1/8"
Z22-10 HSS-SL *	8"	16	1/16"	Stainless Steel	—	—	3 1/8"
Z22-11 HSS	8"	24	1/16"	Sheet Metal	—	—	3 1/8"
Z22-6 HSS	12"	16	1/16"	Steel	—	—	6 5/8"
Z22-6 HSS-SL *	12"	16	1/16"	Stainless Steel	—	—	6 5/8"
Z22-6 Carbide	12"	Coated	3/16"	—	—	Masonry	6 5/8"
Z22-31 HSS	12"	12	1/16"	Steel	—	—	6 5/8"
Z22-71 HSS	12"	4	1/16"	—	Plastics/Wood	—	6 5/8"
Z22-7 HSS	16"	16	1/16"	Steel	—	—	10 5/8"
Z22-7 HSS-SL *	16"	16	1/16"	Stainless Steel	—	—	10 5/8"
Z22-7 Carbide	16"	16	1/16"	—	—	Masonry	10 5/8"
Z22-29 HSS	16"	8	1/16"	Steel/Aluminum	Plastics	—	10 5/8"
Z22-32 HSS	16"	4	1/16"	—	Plastics/Wood	—	10 5/8"
Z22-33 HSS	16"	6	1/16"	Cast Iron	Plastics	Cast Iron	10 5/8"
Z22-72 HSS	20"	14	5/64"	Steel	—	—	14 5/8"
Z22-72 Carbide	20"	Coated	3/16"	—	—	Masonry	14 5/8"
Z22-30 HSS	21"	12	1/16"	Steel	—	—	15 5/8"
Z22-30 HSS-SL *	21"	12	1/16"	Stainless Steel	—	—	15 5/8"
Z22-40 HSS	21"	4	1/16"	—	Plastics/Wood	—	15 5/8"
Z22-73 HSS	24"	14	5/64"	Steel	—	—	18 1/2"
Z22-73 HSS-SL *	24"	14	5/64"	Stainless Steel	—	—	18 1/2"
Z22-73 Carbide	24"	Coated	3/16"	—	—	Masonry	18 1/2"
Z22-74 HSS	24"	8	5/64"	Steel/Aluminum	Plastic	—	18 1/2"
Z22-75 HSS	30"	12	5/64"	Steel	—	—	24 7/8"
Z22-75 HSS-SL *	30"	12	5/64"	Stainless Steel	—	—	24 7/8"
Z22-76 HSS	30"	6	5/64"	Cast Iron	—	—	24 7/8"
Z22-37 HSS	37"	12	5/64"	Steel	—	—	31 7/8"



Portable Band Saws

Fast, on-site cutting of pipe and other materials

Pneumatic • Electric • Hydraulic

Power for a wide range of industries

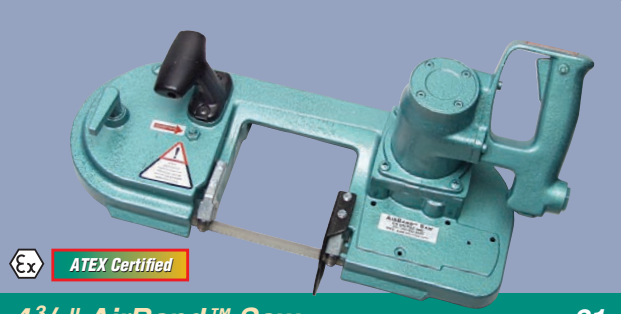
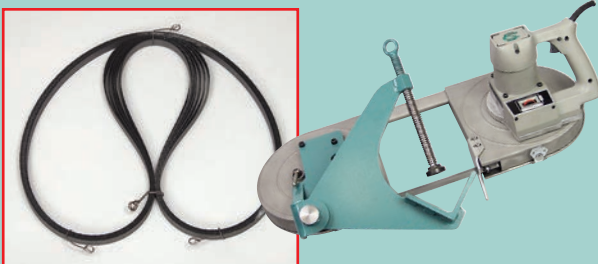
- Ideal for the toughest use in refineries, chemical plants, gas utilities, construction, offshore oil, mining, marine and demolition industries
- Fast, deep cutting of pipe, conduit, bolts, cable, angle iron, structural steel, chain and more
- Cut steel, stainless steel, Inconel, chrome, Hastelloy, aluminum, copper, iron, fiberglass, plastics, wood and more



BAND SAWS

Band Saw Accessories

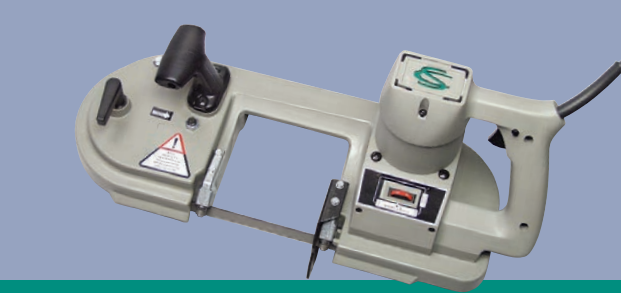
We also offer a full line of Band Saw blades and accessories, including vise clamps for straight cutting. See page 23.



ATEX Certified

4 3/4" AirBand™ Saw

p. 21



4 3/4" Electric Band Saw

p. 22



ATEX Certified

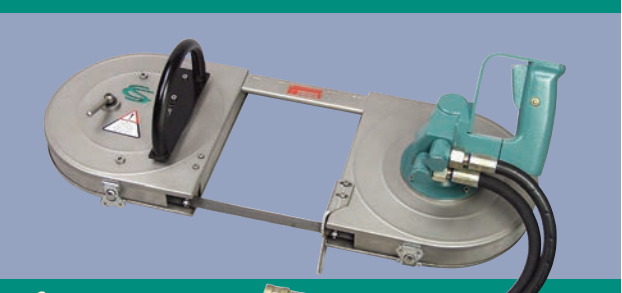
**7" Deep Throat™ AirBand Saw
9" Wide Mouth™ AirBand Saw**

p. 21



**7" Deep Throat™ Electric Band Saw
9" Wide Mouth™ Electric Band Saw**

p. 22



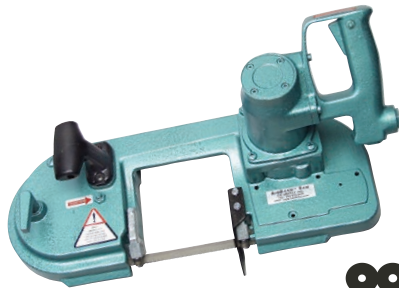
**4 3/4" and 7" Deep Throat™
and 9" Wide Mouth™ Hydraulic Band Saws**

p. 22

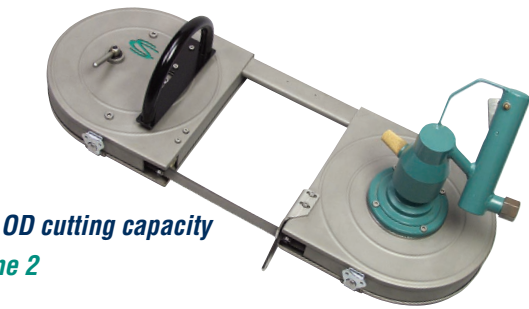


Ideal for hazardous atmospheres and wet environments

- Fast, on-site cutting
- Safer in hazardous atmospheres than electric saws
- Ideal for process shutdowns and turnarounds
- Reduces need for "hot work permits"
- No fear of electric shock or blown circuitry in wet environments
- AirBand™ models with aluminum housing cut up to 4³/₄" OD
- Deep Throat™ models with planetary gearbox cut up to 7" OD
- Wide Mouth™ models with planetary gearbox cut up to 8" OD



AirBand™ Model 5 6003 0010
4³/₄" OD cutting capacity
ATEX Certified for Ex Zone 2



Deep Throat™ AirBand Model 5 6031 0010 – 7" OD cutting capacity
ATEX Certified for Ex Zone 2



Vise Clamp for Straight Cutting
Securely clamp to round, square and angular materials for accurate cuts

Model No. 5 6030 9000
Clamp-on vise for 4³/₄" Band Saw

Model No. 5 6031 9400
Clamp-on vise for 7" Band Saw

See page 23 for more information.



BAND SAWS

Model No.	Motor Power and Specs.	Blade Speed (ft/sec)	Capacity		Blade Size	Housing	Overall Length	Air Connection	Air Hose	Wgt. (lbs.)
			Round	Rectangular						
AirBand™										
5 6003 0010	0.7 HP, 90 PSI, 20 CFM	2.2-3.3 Variable	4 ³ / ₄ "	4 ¹ / ₂ " x 4 ³ / ₄ "	44 ⁷ / ₈ " x 1 ¹ / ₂ "	Aluminum	21 ¹ / ₂ "	1/4" NPT (ID)	3/8"	14
Deep Throat™ AirBand										
5 6031 0010	1.3 HP, 90 PSI, 43 CFM	4.0-4.9 Variable	7"	7" x 7"	66" x 5/8"	Stainless Steel	28 ³ / ₄ "	1/2" NPT (ID)	1/2"	28
Wide Mouth™ AirBand										
5 6062 0010	1.3 HP, 90 PSI, 43 CFM	4.0-4.9 Variable	8"	9" x 8 ¹ / ₂ "	71" x 5/8"	Stainless Steel	30 ³ / ₄ "	1/2" NPT (ID)	1/2"	35



Electric and Hydraulic Portable Band Saws

Construction, utility, marine and demolition applications

Electric Band Saws – Fast, on-site cutting



Electric Deep Throat™ Model 5 6040 0010
cuts a section of rail

- Ideal for plumbing and mechanical contractors, as well as demolition and plant maintenance
- Heavy-duty variable-speed motors operate on 110VAC; 220V available
- Standard models with aluminum housing cut up to 4³/₄" OD
- Deep Throat™ models with stainless steel housing and planetary gearbox cut up to 7" OD; Wide Mouth™ models cut up to 8" OD



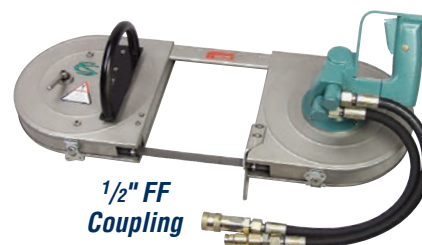
Electric Model 5 6046 0010

Model No.	Motor Power and Specs.*	Blade Speed (ft/sec)	Capacity		Blade Size	Housing	Overall Length	Weight (lbs.)
			Round	Rectangular				
Electric								
5 6046 0010	6 Amp 110VAC	3.0-7.4 Variable	4 ³ / ₄ "	4 ¹ / ₂ " x 4 ³ / ₄ "	44 ⁷ / ₈ " x 1 ¹ / ₂ "	Aluminum	21 ¹ / ₂ "	14
Deep Throat™ Electric								
5 6040 0010	6 Amp 110VAC	2.0-4.9 Variable	7"	7" x 7"	66" x 5 ⁵ / ₈ "	Stainless Steel	28 ³ / ₄ "	28
Wide Mouth™ Electric								
5 6079 0020	6 Amp 110VAC	2.0-4.9 Variable	8"	9" x 8 ¹ / ₂ "	71" x 5 ⁵ / ₈ "	Stainless Steel	30 ³ / ₄ "	34

BAND SAWS

Hydraulic Band Saws

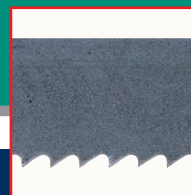
- Heavy-duty mining, utility, marine and construction applications
- Operate on 2000 PSI / 4 GPM (up to 13 GPM) hydraulic oil
- Standard models cut up to 4" OD
- Deep Throat™ models with planetary gearbox cut up to 7" OD; Wide Mouth™ models cut up to 8" OD
- 1/2" Flush-face (HTMA) couplings and hoses are included



1/2" FF Coupling

Model No.	Motor Power Specs.	Blade Speed (ft/sec)	Capacity		Blade Size	Housing	Overall Length	Weight (lbs.)
			Round	Rectangular				
Hydraulic - 1/2" FF (HTMA) Couplings								
5 6043 0010	1.6 HP, 2000 PSI, 4 GPM	4.2	4"	4" x 4"	44 ⁷ / ₈ " x 1 ¹ / ₂ "	Stainless Steel	22"	23
Deep Throat™ Hydraulic - 1/2" FF (HTMA) Couplings								
5 6041 0010	1.6 HP, 2000 PSI, 4 GPM	4.2	7"	7" x 7"	66" x 5 ⁵ / ₈ "	Stainless Steel	28 ³ / ₄ "	28
Wide Mouth™ Hydraulic - 1/2" FF (HTMA) Couplings								
5 6054 0010	1.6 HP, 2000 PSI, 4 GPM	4.2	8"	9" x 8 ¹ / ₂ "	71" x 5 ⁵ / ₈ "	Stainless Steel	30 ³ / ₄ "	35.6

Band Saw Blades and Accessories



M42 Cobalt Steel SuperBand™ Saw Blades

CS Unitec's SuperBand™ saw blades are made of tough M42 steel. 8% cobalt gives our blades the highest heat resistance and wear resistance of all portable band saw blades. The hardness is Rc 67-69.

SuperBand™ saw blades easily cut most ferrous and nonferrous metals, including steel, stainless steel, Inconel, chrome, Hastelloy, tool steels, "super" alloys and other materials. Longer life, fewer blade changes and the fastest cutting rates result in SuperBand™ providing the lowest cost per cut.



Blades for standard saws (Model Nos. 5 6003 0010, 5 6046 0010 and 5 6043 0010)

No. 9 2506 0010	18 TPI	Cuts material 1/8" - 1/4" thick	44 ⁷ / ₈ " L x 1/2" W x .025" T
No. 9 2506 0020	14 TPI	Cuts material 3/16" - 1/2" thick	44 ⁷ / ₈ " L x 1/2" W x .025" T
No. 9 2506 0030	10/14 TPI*	Cuts material 3/16" - 1/2" thick	44 ⁷ / ₈ " L x 1/2" W x .025" T
No. 9 2506 0040	8/12 TPI*	Cuts material 1/2" and thicker	44 ⁷ / ₈ " L x 1/2" W x .025" T



Blades for Deep Throat™ saws (Model Nos. 5 6031 0010, 5 6047 0010 and 5 6041 0010)

No. 9 2506 0220	14 TPI	Cuts material 3/16" - 1/2" thick	66" L x 5/8" W x .025" T
No. 9 2506 0230	10/14 TPI*	Cuts material 3/16" - 1/2" thick	66" L x 5/8" W x .025" T
No. 9 2506 0240	8/12 TPI*	Cuts material 1/2" and thicker	66" L x 5/8" W x .025" T
No. 9 2506 0200	8 TPI	Cuts material 3/4" and thicker	66" L x 5/8" W x .025" T



Blades for Wide Mouth™ saws (Model Nos. 5 6062 0010, 5 6099 0020 and 5 6054 0010)

No. 9 2506 0350	10/14 TPI*	Cuts material 3/16" - 1/2" thick	71" L x 5/8" W x .025" T
No. 9 2506 0340	8/12 TPI	Cuts material 1/2" and thicker	71" L x 5/8" W x .025" T
No. 9 2506 0330	6/10 TPI	Cuts material 3/4" and thicker	71" L x 5/8" W x .025" T



* Variable tooth pitch (10/14 TPI and 8/12 TPI) saw blades cut faster and last longer than standard pitch blades. Varying tooth size and gullet depth reduce harmonic vibration for quieter, more efficient cutting.

Vise Clamps for Accurate Cuts

- Securely clamp to round, square and angular materials for straight cutting
- Easily attach to CS Unitec Portable Band Saws

Model No. 5 6030 9000

Clamp-on vise for 4-3/4" Band Saws

(model numbers 5 6003 0010, 5 6046 0010 and 5 6043 0010)

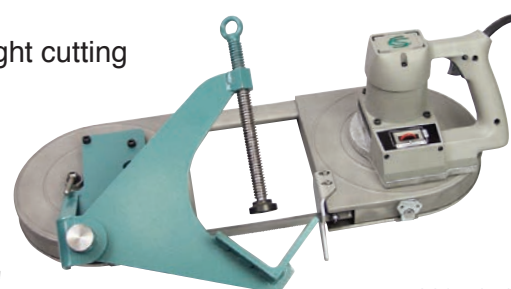
Maximum material size – rounds: 4³/₄"; squares: 4¹/₂"; angles: 4¹/₂"

Model No. 5 6031 9400

Clamp-on vise for 7" Deep Throat™ Band Saws

(model numbers 5 6031 0010, 5 6040 0010 and 5 6041 0010)

Maximum material size – rounds: 7"; squares: 5"; angles: 5"



Model 5 6031 9400
with Band Saw

Pipe Cutting Machine

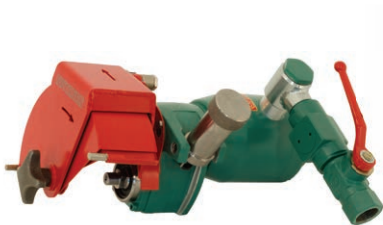
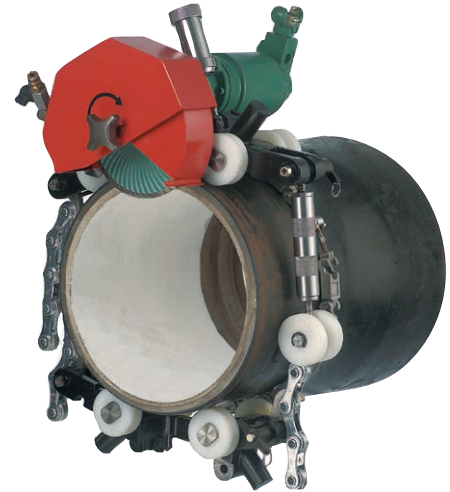


ATEX Certified

Cut pipe up to 63" dia. with wall thickness up to 2"

Ideal for use in municipal water and gas utilities, petrochemical, power generation, plant maintenance, pipe line construction, marine and demolition applications.

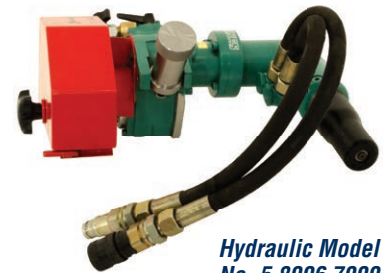
- Heavy-duty, versatile air and hydraulic pipe cutting machines
- Cut pipe from 6" to 63" dia. with wall thicknesses from 1/4" to 2"
- Use on steel, ductile iron, nonferrous metal, HDPE, plastic, concrete pipe and more
- Cut pipe underground with minimal excavation
- 7" blade with adjustable cutting depth and fully enclosed blade guard
- Machine is manually guided with hand lever feed to make a 360° cut in pipe at 90 degrees
- Guide chain is adjustable by adding and removing chain links
- ATEX certified for use in Ex Zones (ATEX II 2 GcT6)



*Pneumatic Model
No. 5 8010 0050*

Features include:

- Fast cutting of pipe
- Adjustable cutting depth
- Fully enclosed blade guard
- Cooling water connection
- Carbide-tipped or diamond-coated blades



*Hydraulic Model
No. 5 8006 7000*

PIPE CUTTING SAWS

Model Number	Power	Blade Arbor	Motor Specifications	Speed (RPM)	Blade Dia.	Hose Connection	Weight (lbs.)
Pneumatic Motor							
5 8002 7000	2.4 HP	7/8"	77 CFM @ 90 PSI	350/1800	7"	1/2" NPT	28
5 8010 0050	4 HP	7/8"	106 CFM @ 90 PSI	1800	7"	3/4" NPT	28
Hydraulic Motor – 1/2" FF (HTMA) Couplings							
5 8006 7000	4 HP	7/8"	6-13 Gallons @ 2000 PSI	350/1800	7"	1/2" FF (HTMA)	28

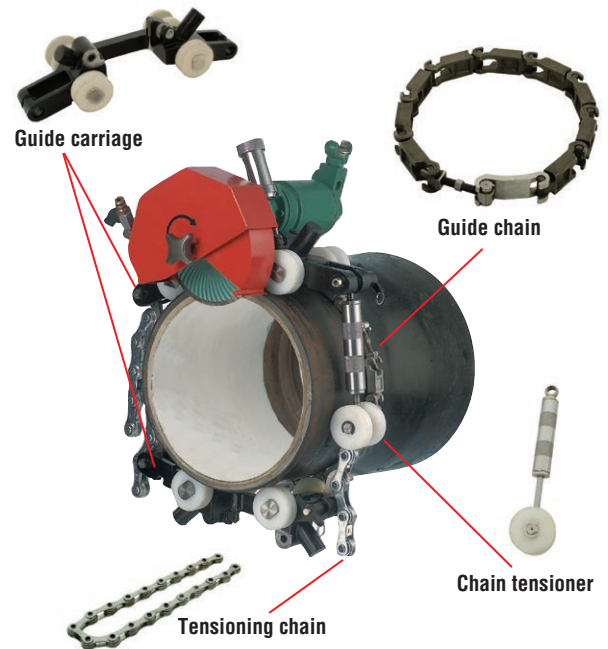
Beveling cutters available for some models. Contact CS Unitec for more information.

Pipe Cutting Machine – Accessories

Pipe Cutting Machine Kits		
For Pipe Diameters	Pneumatic Kit Part No.	Hydraulic Kit Part No.
6" to 16" (300-400mm)	5 8010 16PK	5 8006 16HK
6" to 32" (300-800mm)	5 8010 32PK	5 8006 32HK
6" to 63" (300-1600mm)	5 8010 63PK	5 8006 63HK

For a list of contents included with each kit, visit our website at: www.csunitec.com/saws/pipe-cutting-machines

Parts Recommendations – (Qty.) x Part No.				
Pipe Diameter	Guide Carriage	Chain Tensioner	Tensioning Chain	Guide Chain
6" to 16" (300-400mm)	(1) 5 8010 8090	(1) 5 8003 8300		(1) 5 8002 8760
16" to 32" (400-800mm)	(1) 5 8010 8090 (1) 5 8010 8100	(1) 5 8002 8400	(1) 5 8002 8710	(1) 5 8002 8780
24" to 40" (600-1000mm)	(1) 5 8010 8100	(2) 5 8002 8400		(1) 5 8002 8810
16" to 55" (400-1400mm)	(1) 5 8010 8090 (2) 5 8010 8100	(2) 5 8002 8400	(1) 5 8002 8710	(1) 5 8002 8820
16" to 63" (400-1600mm)	(2) 5 8010 8090 (2) 5 8010 8100	(2) 5 8002 8400	(2) 5 8002 8710	(1) 5 8002 8830



Guide Chain

All guide chains include tightener



Part No.	Description
5 8002 8760	24 chain links
5 8002 8770	35 chain links
5 8002 8780	46 chain links
5 8002 8810	57 chain links
5 8002 8790	68 chain links
5 8002 8820	79 chain links
5 8002 8830	90 chain links



Chain Link (Length: 2-1/4")
Part No. 5 8001 8750



Tightener – Part No. 5 8002 6800

Tensioning Chain



Small Chain Tensioner
Part No. 5 8003 8300



Large Chain Tensioner
Part No. 5 8002 8400



Tensioning Chain
Length: 37-3/8" (950mm)
Part No. 5 8003 8300

Guide Carriages



Small Guide Carriage – Part No. 5 8010 8090
Large Guide Carriage – Part No. 5 8010 8100

Feeding Pipe – Part No. 5 8002 9500

7" Saw Blades – for 2" max. cutting depth



Carbide-tipped Blade
Part No. 9 2503 0120
For steel, stainless steel (min. 1/4" wall thickness), plastics, HDPE and PVC



Diamond Blade
Part No. 9 2503 0100
For cast iron, ductile iron, cement, concrete and clay

View a demonstration of our versatile pipe cutting machine:





Dry Cutting Circular Saws – Pneumatic

Air power ideal for petrochemical, marine, demolition and fabrication industries

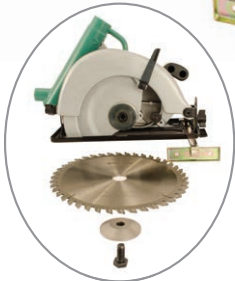
DRY CUTTING SAWS



7-1/2" dia. Heavy-Duty Air Saw

Cut up to 2-1/2" depth at 90° and 1-1/2" at 45°

- Heavy-duty air-powered circular saw, ideal for wet and dirty conditions
- Pneumatic power eliminates burn out from stalls
- Cuts up to 2-1/2" depth at 90° and 1-1/2" depth at 45°
- 7-1/2" max. blade capacity
- D-handle design with inside trigger and safety lock button to prevent accidental starting



1.7 HP Air Motor



Model 5 1116 0020

Motor Power	1.7 HP (1.3 kW)
Blade Diameter*	7-1/2" (190mm)
Max. Depth of Cut	2-1/2" at 90° / 1-1/2" at 45°
Speed (Free)	3,200 RPM
Air Consumption	53 CFM at 90 PSI
Air Connection	1/2" NPT
Vibration	<2.5 m/s ²
Weight	19 lbs.

* The Model 5 1116 0020 saw also accepts 7-1/4" dia. blades.

Standard equipment includes rip fence and blade wrench. Blade not included.

Optional Carbide-Tipped 7" (180mm) Dry Cut Saw Blade

P/N 9 2503 0120, 36T, for standard use
Dry cuts metal, plastics and wood



9" dia. Air Saw for 90° and 45° Cuts

Cut up to 3-1/4" depth and 3/8" thick steel plate

- Cut steel, nonferrous metal, plastic, grating, composite and corrugated materials
- Cuts at 90° and 45° angles
- Ideal for petrochemical, marine, demolition and fabrication applications
- Cuts steel plate up to 3/8" thick



ATEX Certified

2 HP Air Motor



Model 5 1115 0020

Motor Power	2 HP (1.5 kW)
Blade Diameter	9"
Max. Depth of Cut	3-1/4" at 90° / 2-1/8" at 45°
Speed (Free)	1,700 RPM
Air Consumption	71 CFM at 90 PSI
Air Connection	1/2" NPT
Vibration	<2.5 m/s ²
Weight	20 lbs.

Standard equipment includes an impact-resistant carrying case and ultra-thin LBS blade (P/N 722-23060).

Dry Cutting TCT Saw Blades

9" diameter (1" arbor)

9" Laser Beam Saw (LBS) ultra-thin blade for all-purpose use features:

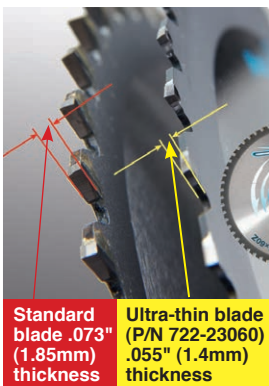
- Thinner than conventional saw blades: LBS = .055" vs. Std. = .073" thickness
- Shock-resistant, less vibration
- Produces 35% fewer chips

Part No.	Teeth	Thickness
722-23060*	60	.055"

* Standard with Model 5 1115 0020 Pneumatic Metal Saw.

Tungsten Carbide-tipped Dry Cutting Blades 9" dia., .073" thick – for Model 5 1115 0020

P/N 721-23048, 48T, for standard use
P/N 721-23060, 60T, for aluminum
P/N 721-23068, 68T, for thin-wall metal
P/N 721-23084, 84T, for sheet metal



Standard blade .073" (1.85mm) thickness

Ultra-thin blade (P/N 722-23060) .055" (1.4mm) thickness

Optional Adjustable Rail Guide

Ideal for clean and straight cutting up to 47" of metal grids, sandwich panels, multiple profiles and more. Cutting depth of 3-1/8" with rail. (P/N 608284)



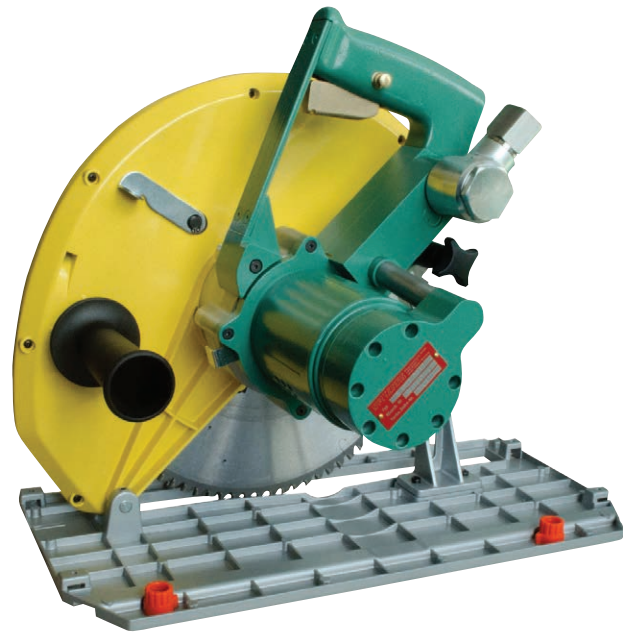
12 5/8" Dry Cutting Circular Saw – Pneumatic



Cut I-beams, 3/8" thick steel plate, insulation boards, sandwich panels, aluminum, plastics and more

- Heavy-duty air-powered circular saw
- Pneumatic power eliminates burn out from stalls and dusty jobsite conditions
- Powerful 2.4 HP motor for demanding applications
- Cuts 3/8" thick steel plate and up to 4-3/4" in other materials
- 12-5/8" max. blade capacity
- Suction nozzle and internal chip collector for clean operation
- D-handle design with inside trigger and safety lock button to prevent accidental starting
- Ideal for steel construction, demolition and more

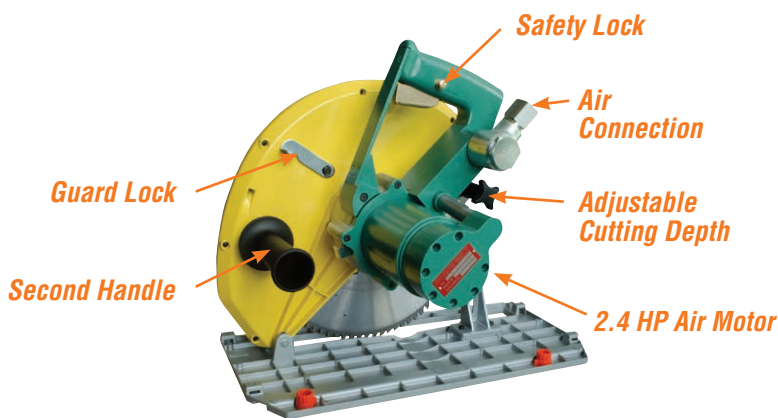
DRY CUTTING SAWS



Model 5 1117 0020
4 3/4" max. cutting depth;
Cuts 3/8" thick steel plate



Model 5 1117 0020	
Motor Power	2.4 HP (1.8 kW)
Blade Diameter	12-5/8"
Arbor Size	5/8" or 20mm
Max. Depth of Cut	4-3/4"
Speed (Free)	1,200 RPM
Air Consumption	71 CFM at 90 PSI
Air Connection	1/2" NPT
Vibration	<2.5 m/s ²
Length	13-1/2"
Weight	24 lbs.

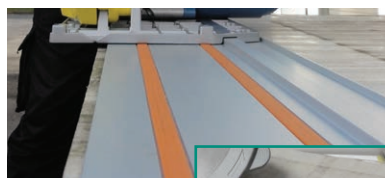


12-5/8" Dry Cutting Saw Blade included (P/N 608276).



Dry Cutting Circular Saw Accessory: Guide Rail with Clamping System (P/N 608275 SET)

Ideal for straight cutting of sandwich panels and sheets, guide rail and clamping system provides secure and jam-free guidance of saw blade through material. Rail provides straight edge length up to 55" (1,400mm).



12-5/8" Saw Blades for Model 5 1117 0020

P/N 608276, 84T for standard use

P/N 608276SI, 84T for stainless steel





Dry Cutting Circular Saw – Electric

Fast, clean, burr-free cutting of thin metal plates, pipes, profiles and more... without distortion!



Super Hand-Held Dry Cut Saw

12-5/8" dia. blade cuts 3/8" thick steel and up to 4-3/4" depth in other materials

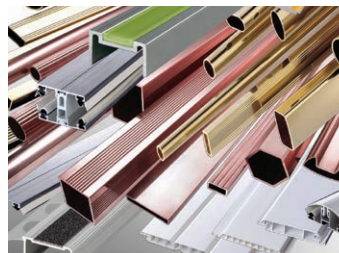
- Largest portable dry metal cutting saw on the market
- Cut steel, sandwich panels, sheet metal, I-beams, trapezoidal sheets, conduit, pipes and more – no deburring necessary
- High-quality tungsten carbide-tipped blade
- Side-mounted tilt tray for disposal of chips
- Motor protection with optical overload indicator
- Dust collection port for clean operation



Integrated dust collection port



8320 SHDC Super Hand-Held Dry Cut Saw (608270 U) standard equipment includes a saw blade (P/N 608276).



Order No. 608270 U

Motor Power	16 Amp/110V*
Blade Diameter	12-5/8" (320mm)
Max. Depth of Cut	4-3/4" (120mm)
Speed (Free)	1,400 RPM
Arbor Size	1"
Blade Part No.	608276 (12-5/8" dia.)
Blade No. of Teeth	84T
Weight	21 lbs.

* 230V also available – Order No. 608270

12-5/8" Saw Blades for Model 8320 SHDC

P/N 608276SI, 84T, for stainless steel
Blade specially coated, increasing cutting life by 2.5X

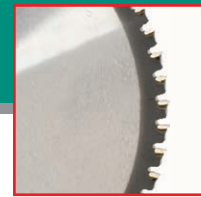
Super Hand-Held Accessory: Guide Rail with Clamping System



(P/N 608275 SET - shown left)
Ideal for straight cutting of sandwich panels and sheets, guide rail and clamping system provides secure and jam-free guidance of saw blade through material. Rail provides straight edge length up to 55" (1,400mm).



Dry Cutting Miter Saw – Electric



90° and 45° cutting of thin metal plates, pipes, profiles and more – no deburring required

Premium Super Dry Cutter – 14" dia.



Model 9435 Max. Cutting Capacities

	90° Cut	45° Cut
Round	5.5"	4.72"
Square	4.92"	3.15"
Rectangular	4.13" x 6.1"	2.95" x 3.93"

6" max. depth of cut

- Cut stainless steel, ferrous and nonferrous metal, plastic and aluminum tubes, profiles and more – no deburring necessary
- Exclusive blade stabilizing system reduces vibration
- Powerful, high-torque motor for continuous operation
- Patented quick-release vise for precise bevel cuts

Order No. 608302

Motor Power	15 Amp/110V*
Blade Diameter	14" (355mm)
Max. Depth of Cut	6" at 90°
Speed (Free)	1,600 RPM
Arbor Size	1"
Blade Part No.	724072 (14" dia.)
Blade No. of Teeth	72T
Weight	55 lbs.

* 230V also available – Order No. 600301-220V

9435 Premium Super Dry Cut Saw (608302) standard equipment includes saw blade (P/N 724072).

Optional stand available – Part No. 600526T3



14" Saw Blades for Model 9435

P/N 724072, 72T, for construction

P/N 600570, 90T, for stainless and thin steel

P/N 600570SI, 90T, for stainless steel

P/N 600580, 72T, for stainless and medium steel

P/N 600590, 60T, for stainless and thick steel

P/N 600591, 60T, recommended for cast iron

P/N 600595, 66T, recommended for mild steel

P/N 600594, 96T, recommended for aluminum

DRY CUTTING SAWS

Electric Nibblers & Shears

Easily cut sheet metal and steel up to 3/8" thick

- Ideal for cutting sheet metal, steel plate, weldments and double sheets
- Two-speed gearbox (model CS-3400-E)
- Head can be rotated to four 90° positions (selected models)
- Cut over 90° bends with optional die
- Ideal for use in underground storage tank removal, I-beam splitting, plate cutting and more



CS-3400 cuts up to 3/8" thick steel.



Contact us for information about Electric Shears

Model No.	Power	Working Speed (ft./min.)	Start Hole Dia.	Min. Radius	Strokes per Minute	Max. Sheet Thickness			Weight (lbs.)
						Mild Steel	Stainless Steel	Aluminum	
CS-350-E	12 Amp, 110V	4	1.25"	.280"	650	.135"	.090"	.135"	7.5
CS-500-E	12 Amp, 110V	4.5	1.25"	3.125"	600	.197"	.135"	.276"	8.5
CS-700-E	17.4 Amp, 110V	5	2.75"	5.5"	400	.276"	.197"	.394"	26
CS-3400-E*	17.4 Amp, 110V	5.2	3"	16"	230 / 370	.375"	.276"	.500"	32

* 2-speed gearbox

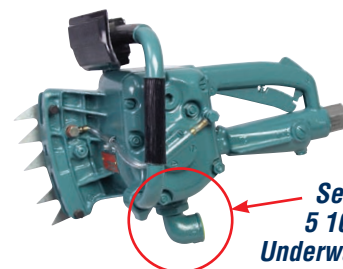


4 HP Pneumatic Chain Saw

Powerful cutting of wood, polyethylene and plastic

Used successfully for many years in polyethylene plants, petrochemical industries, utilities, underground mines and marine applications

- Pneumatic power is safer than gas or electric in hazardous atmospheres and wet environments, including underwater applications
- Low maintenance and easy startup – saw chain and motor are automatically oiled by two separate lubricating systems
- Powerful 4 HP motor at 90 PSI air pressure, 92 CFM
- Chain guard to protect operator
- Available with 15", 17", 21" and 25" cutting capacity
- .404 pitch Super Chisel saw chain is standard
- Carbide-tipped and Ripping saw chain are optional



Air Tool Line Conditioner for underwater air tools to displace moisture. Developed to inhibit rust and corrosion of air motors. 1 quart/liter, order part number MS 9105.



Model No.	Power	Cutting Capacity	PSI	CFM	Length with Bar	Weight (lbs.)	Air Connection	Hose ID
For General Use								
5 1007 0003	4 HP	15"	90	92	29"	22	3/4" NPT (ID)	5/8"
5 1007 0010	4 HP	17"	90	92	33"	25	3/4" NPT (ID)	5/8"
5 1007 0020	4 HP	21"	90	92	37"	28	3/4" NPT (ID)	5/8"
5 1007 0040	4 HP	25"	90	92	41"	31	3/4" NPT (ID)	5/8"
For Underwater Use*								
5 1008 0030	4 HP	21"	90	92	37"	29	3/4" NPT (ID)	5/8"
5 1008 0040	4 HP	25"	90	92	41"	31	3/4" NPT (ID)	5/8"

CHAIN SAWS

Carbide-Tipped Saw Chain

- More cutting efficiency with less down time – stays sharp 25x longer and lasts 10x longer than regular-life saw chains
- Efficiently cuts tough materials, including plastics, railroad ties, utility poles, hardwoods and soft masonry materials
- Withstands severe cutting conditions that include sand, mud, salvage work, etc.
- Easily resharpener
- Available in 10", 15", 17", 21" and 25" lengths



Also available: Super Chisel and Ripping saw chain in 10", 15", 17", 21" and 25" lengths

Guide Bars for wood and plastics also available. Contact CS Unitec for more information.



4 HP Pneumatic Chain Saw with Brake



- Pneumatic power for use in hazardous atmospheres and wet environments, including underwater applications
- Low maintenance and easy startup – saw chain and motor are automatically oiled by two separate lubricating systems
- Chain brake for stopping chain movement during kickback or repositioning of saw during cutting
- Powerful cutting of polyethylene, plastics and wood
- 5 1027 series plastic-cutting chain saws come with integrated water feed
- .404 pitch Super Chisel saw chain is standard
- Carbide-tipped and Ripping saw chain are optional



ATEX Certified



**Series 5 1026, 5 1027, 5 1028 and 5 1029
Pneumatic chain saw with brake**

**Available with 11", 17", 21" and 25"
cutting capacity**

Model No.	Cutting Capacity	Length with Bar	Weight (lbs.)
For Cutting Wood, with brake			
5 1026 0010	17"	33"	25
5 1026 0020	21"	37"	28
5 1026 0040	25"	41"	31
For Cutting Plastic, with brake and water feed system			
5 1027 0010	17"	33"	25
5 1027 0020	21"	37"	28
5 1027 0040	25"	41"	31
5 1027 9100	Pipe clamp for straight cutting of plastic.		
For Underwater Use, with brake			
5 1028 0010	17"	33"	25
5 1028 0020	21"	37"	28
5 1028 0040	25"	41"	31
For Underground/Coal Mining Use, with brake			
5 1029 0010	17"	33"	25
5 1029 0020	21"	37"	28
5 1029 0040	25"	41"	31

* Optional 11" bar available on special order, Part No. 5 1005 7160. Contact CS Unitec for more information.

Pneumatic Chain Saw with Brake All Models

Motor Power	4 HP
PSI	90
CFM	92
Air Connection	3/4" NPT (ID)
Hose ID	5/8"

New hydraulic chain saw with brake also available. Contact CS Unitec for details.



**Pipe clamp for straight cutting of
HDPE and plastic pipe.
For use with 5 1027 series.
Part No. 5 1027 9100**



Utility Pneumatic Chain Saw

- Ideal all-purpose air chain saw – compact, lightweight and powerful
- Only 5.4 lbs., 10" capacity
- Ideal for utilities, mines, construction and agriculture

Model 5 1005 0010

Motor Power	1.2 HP
Cutting Capacity	10"
PSI	90
CFM	30
Length	21"
Weight	5.4 lbs.
Air Connection	1/4" NPT (ID)

**Model 5 1005 0010
10" cutting capacity
Includes built-in
chain oiler**





Hydraulic Chain Saws

Versatile, lightweight saw for utility and maintenance

CHAIN SAWS



**Model ACH000
Pistol Grip Saw
(above/right)**

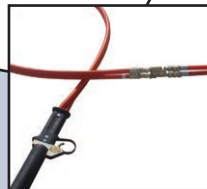
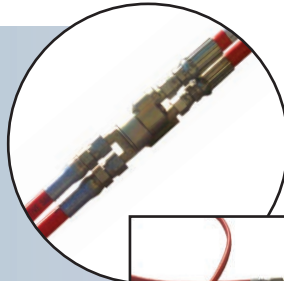
- Up to 6.5 HP, high-torque gear motor
- Open/closed hydraulic system
- Pistol grip with safety trigger lock and insulated handle
- Patented spool system eliminates heat generation, for safer operation
- Ideal for use in utilities, mines, construction and agriculture
- Pole saw models ACS-70 and ACS-80 feature non-conductive fiberglass pole for long reach (overall lengths: ACS-70 - 6.5'; ACS-80 - 7.5')
- Models ACS-70 and ACS-80 approved for live line work
- Optional hose swivel to eliminate tangled hoses (see below)



**Model ACS-70
Pole Saw with
optional 360°
Hydraulic Hose
Swivel (above/
right)**

**Optional 360° Hydraulic Hose Swivel
(Part No. 640080)**

- In-line, 2-hose hydraulic swivel
- Tools can be twisted 360° without tangling hoses
- Pressure balanced for optimal performance, even at full working pressure
- Fits 1/4" and 3/8" hydraulic hose



Model ACH000-12 - Pistol Grip Saw

Motor Power	Up to 6.5 HP
Handle	Pistol Grip
Motor Specifications	Oil Flow: 3-8 GPM @ 2000 PSI
Overall Length (w/bar)	23"
Bar Length	12" (14" and 16" optional*)
Weight	5.8 lbs.
Hose Connection	3/8" JIC 37°

*For 14" bar, order no. ACH000-14; for 16" bar, order no. ACH000-16

Model ACS-70 - Pole Saw

Motor Power	Up to 6.5 HP
Handle	Pistol Grip
Motor Specifications	Oil Flow: 3-8 GPM @ 2000 PSI
Overall Length (w/bar)*	77"
Bar Length	12" (14" and 16" optional)
Weight	8.8 lbs.
Hose Connection	3/8" JIC 37°

*For 7.5 ft. overall length, order no. ACS-80

New hydraulic chain saw with bar lengths of 11" to 25" also available. Contact CS Unitec for details.

PowerGrit Air Utility Saw

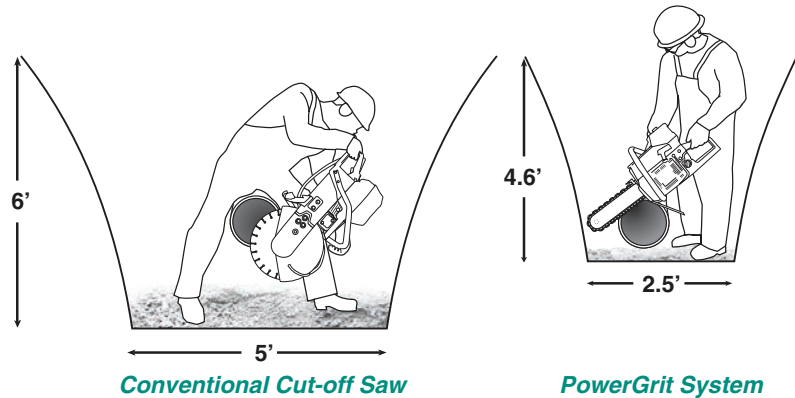


Cut ductile iron pipe underground with minimal excavation

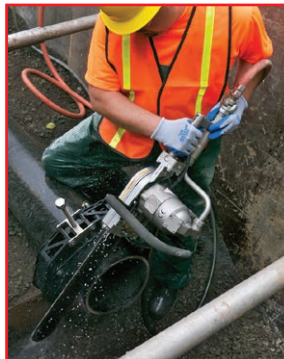


The PowerGrit system allows the user to perform the entire cut from one position – a feature especially helpful in reducing the amount of excavation required in underground cuts.

- Ideal for utility, commercial infrastructure, fire & rescue, construction and underwater applications
- Cut ductile iron (DI) pipe
- Patent-pending chain design with brazed layer diamond coating
- 15" and 20" bar length available
- Single-side access to pipe
- Reduced excavation, labor time and operator effort
- Improved control and operator safety
- Can cut concrete by changing to AirFORCE F4™ diamond chain – see page 36
- Double flat drive shaft eliminates Trantorque



CHAIN SAWS



PowerGrit Accessories

Description	Order no.
15" PowerGrit Chain	PG 52-3810
20" PowerGrit Chain	PG 53-5080
PowerGrit Pipe Clamp (12" cap.; includes mounting axle)	PG 56-9960



PowerGrit Pipe Clamp – Order No. PG 56-9960

12" capacity. Developed for use in underground pipe applications for safety, accuracy and ease of use. Solid, stable cutting platform that improves operator safety and cut precision in all applications.

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 PowerGrit Chain Saw							
CS 536664-PG2*	6.5 HP	5700 RPM	15"	124 CFM @ 90 PSI (6 bar)	32	104	88 dB
CS 536664-PG3**	6.5 HP	5700 RPM	20"	124 CFM @ 90 PSI (6 bar)	33	104	88 dB

*For 15" PowerGrit Saw and Pipe Clamp – Part No. CS 536664-PG2C

**For 20" PowerGrit Saw and Pipe Clamp – Part No. CS 536664-PG3C



Concrete Chain Saws – Pneumatic • Hydraulic

Cut through walls, floors and columns in a single pass



AirFORCE F4™
Diamond Chains
Optimized for pneumatic and hydraulic chainsawing

Model CS 536664-2
6.5 HP Air Motor

- 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)*

CONCRETE SAWS

Plunge cut up to 20" deep!



Please see page 36 for Concrete Chain Saw Accessories, including:

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

Concrete Chain Saws – Pneumatic • Hydraulic



Rugged construction for demanding applications

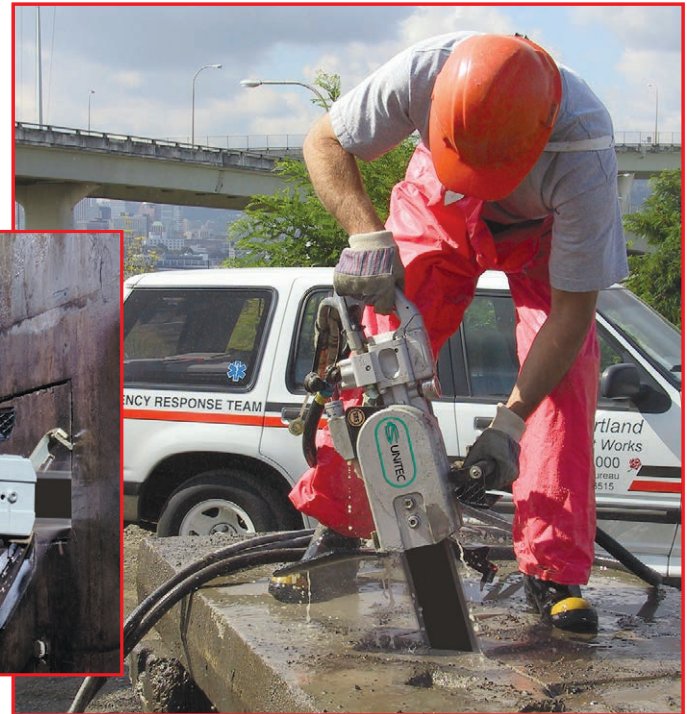


Above: Optional SpeedHook® guides saw for straight cutting (see page 36).



Model CS 566110
11 HP Hydraulic Motor

AirFORCE F4™
Diamond Chains
Optimized for pneumatic and hydraulic chainsawing



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



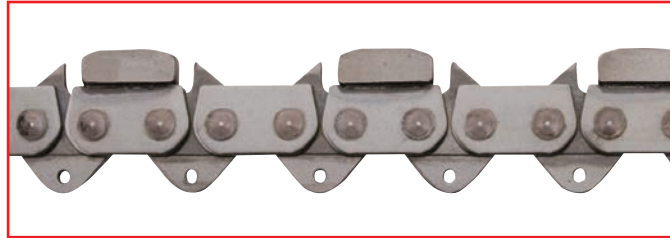
Concrete Chain Saw Accessories

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"



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

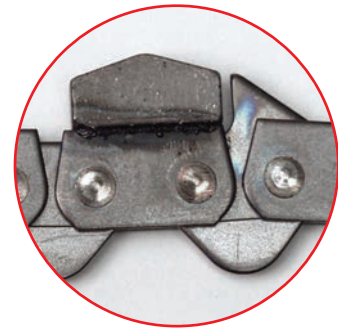
*The cutting life of the chains is not guaranteed. There are many variables from job to job, including hardness of concrete, which make it impossible to accurately predict chain life. *These numbers are rough, starting point estimates only, not for bidding purposes. Please refer to the Operator's Manual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



CONCRETE SAWS

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.)

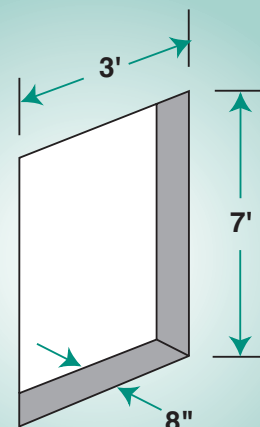
An inch-foot (in.-ft.) is equal to the Depth of Cut in inches x Length of Cut in feet. This measurement is used to determine chain or blade life.

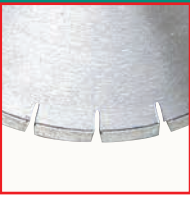
For example:

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

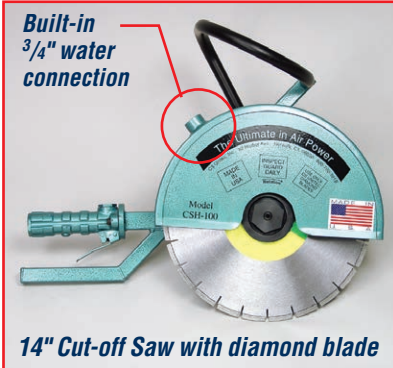
Note for metric users: 1cm = .3937 inches and 1 meter = 3.2808 ft.





Pneumatic Cut-off Saws - Hand-held & Walk-behind

Cut concrete, asphalt, masonry, steel and more



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
- Accepts 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

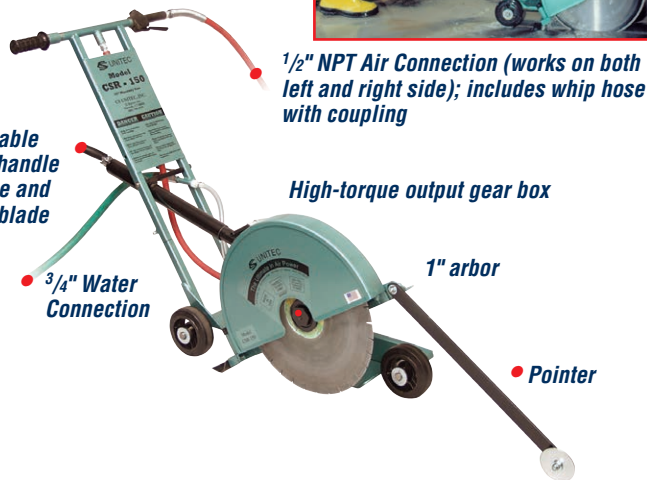
Cut-off Saw with 14" abrasive blade



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



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	Model No.	Size
734 906 (wet or dry)	12" x .125" x 1"	734 909 (wet or dry)	18" x .125" x 1"
734 908 (wet or dry)	14" x .125" x 1"	734 910 (wet or dry)	20" x .125" x 1"
734 916 (wet or dry)	16" x .125" x 1"	RES.403 (rescue)	14" x .125" x 1"

Air Tool Accessories

AirPac Extends life of pneumatic power tools



Model CSAP-2

- Removes 98% of water and contaminants from both portable and stationary compressed air systems to protect pneumatic tools
- Totally automatic – a float valve automatically ejects the accumulated water and dirt
- Maintenance-free – no filters or parts to replace or service
- Includes automatic 1/2 pint oiler; prevents tools from freezing in cold environments
- 2 tool outlets; Chicago couplings on all connections
- Weighs 40 lbs., max. air 185 CFM
- Use Air Tool Lubricant for best results – see below for more information

How it Works:

- Air compressors compress air into small areas – this causes heat, which contains moisture
- As heated air travels through air lines, it cools, creating water droplets
- When this air/water mixture enters the AirPac, it travels through a baffle that traps the water and dirt and drops it into a holding area
- When enough water is accumulated, a float allows the water and dirt to be automatically ejected
- Dry air then enters the lubricator and is mixed with oil and sent to the tool

Service Unit / Lubricator / Regulator



Model 9 2406 0650
Weight: 13.25 lbs.
Includes 4 oz. oiler

- Portable filter, pressure regulator and lubricator
- Maintains constant downstream pressure for consistent tool operation
- Air pressure adjustable from 0-140 PSI
- Filter collects condensate, scale, rust, etc.
- Maximum air volume of 125 CFM
- Durable steel enclosure protects the unit



Air pressure adjustable from 0 to 140 PSI



3/4" NPT connections



ACCESSORIES

Air Tool Lubricant – Non-toxic

CS Unitec offers three types:

ProLube-ATL: A super-premium synthetic air tool lubricant. Provides maximum lubrication, cleaning and protection for portable air tools.

ProLube-ATL/AF (anti-freeze):

ProLube-ATL/AF blend that prevents freezing and is ideal for operating air tools in cold climate conditions.

Air Tool Line Conditioner:

For use in underwater air tools. Displaces moisture. Developed to inhibit rust and corrosion of air motors.



ProLube-ATL

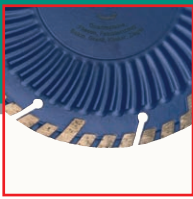
1 gallon bottle	Case (4 bottles)
Order No. CS 7043-001	Order No. CS 7043-002

ProLube-ATL/AF

1 quart bottle	Case (12 bottles)
Order No. CS 7049-003	Order No. CS 7049-004
1 gallon bottle	Case (4 bottles)
Order No. CS 7049-001	Order No. CS 7049-002

Air Tool Line Conditioner

1 quart/liter bottle
Order No. MS 9105



Stone Saw and Wall Slotters

7" Wet/Dry Saw for hard stone materials



- Wet and dry cutting of stone and masonry materials, including granite, marble, terrazzo and concrete
- Adjustable cutting depth up to 2-1/2" for precise cuts
- Ideal for landscapers, renovators and stone shops
- Vacuum connection for use with CS Unitec's dust extraction vacuum systems

Model EDS 181

Power	20 Amp / 110V
Blade Diameter	7"
Max. Depth of Cut	2-1/2"
Load Speed	4,300 RPM
No-Load Speed	7,500 RPM
Weight	17 lbs.
Blade (Included)	P/N 37443000

Optional blade:
P/N 37444000 – 8" blade with 3" max. depth of cut



Optional guide rail for precise cuts
29" length – P/N 37461000
50" length – P/N 37462000



Dust collection port for use with dust extraction systems



Miter adjustment up to 45° – no tools required

Wall Slotters

Cut channels and parallel grooves in walls and floors

- Cut channels in concrete and masonry
- Ideal for electricians, plumbers and other contractors
- Cut two parallel grooves up to 1¹³/₁₆" wide x 2²/₅" deep (Model EMF 180)
- Operates with two parallel blades and spacers
- Compact with parallel grips for easy handling
- Works 5/8" from the edge or corner
- Closed vacuum hood for efficient dust collection, optimal air flow and easy removal of fragments; vacuum hose lock
- Motor overload protection with optical overload indicator



EMF 180



EMF 150

Model No.	Power	Blade Dia.	Load Speed (RPM)	No-Load Speed (RPM)	Arbor Size	Maximum Slot Width	Maximum Milling Depth	Weight (lbs.)	Premium Blade Part No.
EMF 150	20 Amp, 110V	6"	4300	7500	7/8"	1-13/16" (46mm)	1-3/4" (46mm)	12.8	37441
EMF 180	20 Amp, 110V	7"	2200	3100	7/8"	1-13/16" (46mm)	2-2/5" (60mm)	16.5	37443



Standard Equipment:
2 premium diamond blades, carrying case and spanner wrench.

Dust collection port for use with dust extraction systems



Diamond Saws and Sword Saw



5" Diamond Saw for hard tile and natural stone materials

Model EDS 125
for wet/dry cutting



5" Diamond Blade included
(P/N 3744B) for wet/dry cutting

- Wet and dry cutting of tile, natural stone and stoneware
- Roller guide smoothly guides saw and protects surface
- Adjustable cutting depth up to 1-3/8"
- Integrated water supply with flow regulator easily adjusts water volume for dust-free working while wet cutting
- Vacuum connection for use with CS Unitec's dust extraction vacuum systems



Stepless mitre adjustments
up to 45° – without tools

Model EDS 125

Power	11.4 Amp / 110V
Blade Diameter	5"
Max. Depth of Cut	1-3/8"
No-load Speed	12,000 RPM
Arbor Size	7/8"
Weight	6.4 lbs.

Optional blades:

P/N 3744C, 5" Diamond blade for 1/4" milling, wet/dry

P/N 3744A, 4-1/2" Diamond blade for cutting curves, wet/dry

Cutting Tables for use with the EDS 125



Quickly attach EDS 125 to
the table without tools

- Rust-proof, lightweight and easily transportable to the job site
- Precise cutting of tiles up to 3/4" thick with EDS 125 saw
- Adjustable angle stop for mitre cuts up to 45°



Model:	ETT 700	ETT 1200
Max. Cutting Length	28"	47"
Weight	32 lbs.	39.7 lbs.



Easily transportable

Versatile 9" Diamond Saw for tile, stone and metal



- Ideal for cutting of roof tiles, concrete stones, natural stone, brickwork and metal
- Adjustable cutting depth for precise cuts up to 2-1/2" – no tools required
- Vacuum port for dust-free cutting when when connected to a dust extraction vacuum
- Guard for cutting metal included

Vibration-dampened, repositionable
handle for left- or right-handed use

Model ETR 230

Power	23.5 Amp / 110V
Blade Diameter	9"
Max. Depth of Cut	2-1/2"
No-load Speed	6,500 RPM
Arbor Size	7/8"
Weight	16.5 lbs.

Standard Equipment: 9" Diamond blade (Part No. 37448), dust guard and carrying case.

Double Blade Sword Saw



- Powerful 16.4 Amp motor for cutting perforated brick, aerated concrete, porcelain, plastic and wood
- Two 19" counter-rotational saw blades
- Handle mountable on left or right
- Integrated blower to protect gearbox and user

Model EDB 480

Power	16.4 Amp / 110V
Blade Length	19"
Strokes per Minute	2,200
Weight	13.4 lbs.

Carbide-Tipped Blade included – P/N 37452

Underwater Saws

Hydraulic & Pneumatic tools for use in subsea applications

4 HP Pneumatic Chain Saws

- Pneumatic chain saws for underwater use up to 33 ft. depth (10 meters)
- Powerful 4 HP motor at 90 PSI air pressure, 92 CFM
- .404 pitch Super Chisel saw chain is standard
- New hydraulic chain saw with brake also available – Contact CS Unitec for details

Chain Saw with Brake – Model 5 1028



For more information, see page 31

Pneumatic Chain Saws

3/4" NPT (ID) Air Connection, 5/8" Hose ID

Model Number	Cutting Capacity	Length with Bar	Weight (lbs.)
Pneumatic Chain Saw with Brake			
5 1028 0010	17"	33"	25
5 1028 0020	21"	37"	28
5 1028 0040	25"	41"	31
Pneumatic Chain Saw			
5 1008 0030	21"	37"	29
5 1008 0040	25"	41"	31

Model 5 1008 Chain Saw



For more information, see page 30

Reciprocating Saws

Ideal for cutting structural steel, tanks, bolts, pipes, plastic and more!

Pneumatic



ATEX Certified

Model 5 1217 0020

Motor Power	1.3 HP
Stroke Length	1 1/8"
Strokes per Min.	0-1800
Weight	9 lbs.
Length	15 7/8"
Air Consumption	46 CFM
Air Pressure	90 PSI
Air Connection	1/2" NPT (ID)
Saw Kit	Order Model 5 1217 0060

For more information, see page 10

Hydraulic



Model 5 1219 0010

Motor Power	2 HP
Oil Pressure	2000 PSI
Oil Flow	6 GPM (up to 13)
Strokes per Min.	1700
Weight	13.2 lbs.
Hydraulic Connection	M 18 x 1.5 Female
Hose ID*	1/2" ID with 1/2" FF Couplings

* Hoses are not included

For more information, see page 12

Hydraulic Hacksaw

- Ideal for cutting pipes, tanks, structural steel, profiles and other materials
- Cut pipe up to 30" OD in one pass
- 2-3/8" stroke for heavy-duty cutting

For more information, see page 16



Model 5 1220 0050

Motor Power	2 HP
Oil Pressure	2000 PSI
Oil Flow	4 GPM
Strokes per Min.	100-500
Weight	13.5 lbs.
Hose ID*	1/2" ID with 1/2" FF Couplings

* Hoses are not included

Underwater Tools

Grinders, Drills and Impact Wrenches for use underwater

Rotary Hammer Drills - Hydraulic and Pneumatic



- 2 2404 0030 Underwater Air Rotary Hammer Drill, SDS Plus,** 1" cap. in concrete, 0-3000 BPM, .5 HP, 90 PSI / 21 CFM
- 2 2417 0010 Underwater Air Rotary Hammer Drill, SDS Max,** 2" cap. in concrete, 0-2500 BPM, 1.2 HP, 90 PSI / 21 CFM
- 2 2406 0010 Underwater Hydraulic Rotary Hammer Drill, SDS Plus,** 1" cap. in concrete, 0-3400 BPM, .8 HP
- 2 2418 0010 Underwater Hydraulic Rotary Hammer Drill, SDS Max,** 2" cap. in concrete, 2500 BPM, 1.75 HP

* Pressure Reducing Valves available for hydraulic rotary hammer drills. Contact CS Unitec for more information.



Grinders - Hydraulic

- 1 1580 0060 Underwater Hydraulic Horizontal Grinder,** 1.3 HP, 7000 RPM, Twist throttle, straight grinding wheels
- 1 1585 0010 Underwater Hydraulic Angle Grinder,** 1.3 HP, 5500 RPM, Lever throttle, grinding wheels up to 7"
- 1 5080 0020 Underwater Hydraulic Peanut Die Grinder,** 1.0 HP, 11,500 RPM, Lever throttle, 1/4" collet
- 1 2060 0010 Underwater Hydraulic Vertical Grinder,** 4.75 HP, 3600 RPM, grinding wheels up to 9"



Core Drills - Hydraulic and Pneumatic

- 2 1317 0030 Underwater Hydraulic Core Drill, 3" max. dia.,** 3.6 HP, 380/900/1800 RPM, 18.7 lbs.
- 2 1335 0010 Underwater Pneumatic Core Drill, 3" max. dia.,** 3.8 HP, 300/700/1350 RPM, 21 lbs.



Portable Magnetic Drills - Hydraulic and Pneumatic



HB 4400 Underwater Hydraulic Magnetic Drill, 2-1/16" max. dia. with cutters, 1/2" max. dia. with twist drills, 0-630 RPM, 1.5 HP, 48.5 lbs.



AIRBOR™ AB-4300 Pneumatic Magnetic Drill, 2-1/16" max. dia. with cutters, 5/8" max. dia. with twist drills, 400 RPM, 1.6 HP, 64 CFM @ 90 PSI, 38 lbs.



Impact Wrenches - Hydraulic and Pneumatic

We offer a full line of Hydraulic and Pneumatic Underwater Impact Wrenches for bolts and screws up to 2-1/8" dia.



Caution: User must follow all appropriate safety regulations when choosing a tool for their particular working environment.

UNITEC ... the power of innovation!®

CS Unitec, Inc. specializes in industrial power tools and safety tools for construction and industry.

Innovation and high quality are synonymous with CS Unitec's power tools. In 1991, the company invented the first pneumatic portable band saw. CS Unitec has added to its list of industry firsts with the widest range of portable magnetic drills and hand-held concrete core drills. The line also includes surface preparation tools for metal, concrete and masonry, air, electric and hydraulic portable band saws, reciprocating saws, hack saws, nut runners, rotary hammer drills, rolling motors, non-sparking safety tools, portable mixers and dust extraction vacuum systems.

For tool specifications and ATEX and Ex Zone information, visit www.csunitec.com.

Call 1-800-700-5919 or 203-853-9522 to request any of the catalogs shown.



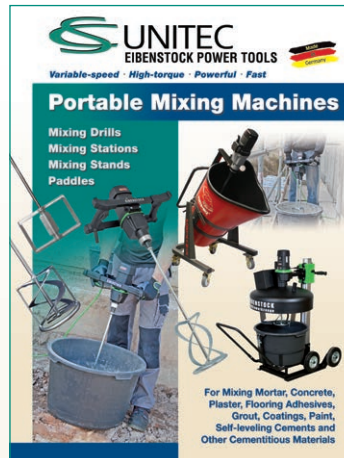
View demo videos at www.csunitec.com



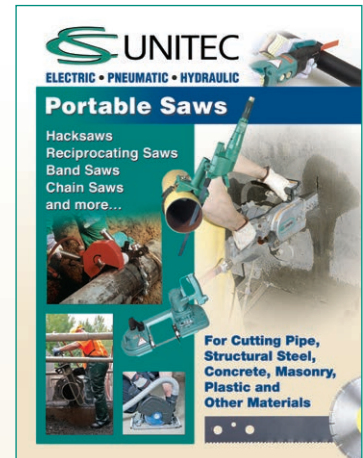
Contractor Tools:
Surface Preparation Tools, Concrete Grinders, Dust Collection Systems, Diamond Core Drills, Air Concrete Saws and more



Metalworking Tools:
Surface Preparation Tools, Dust Collection Systems, Dry Cutting Portable Saws, Portable Magnetic Drills, Bridge Reamers and more



Portable Mixers:
Portable Mixing Machines for Mortar, Concrete, Plaster, Flooring Adhesives, Grout, Coatings, Paint, Self-leveling Compounds and more



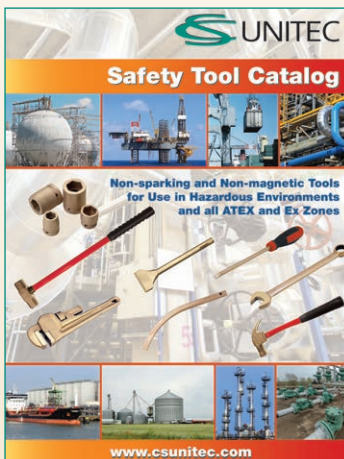
Portable Saws:
Hacksaws, Reciprocating Saws, Band Saws, Chain Saws, Cut-off Saws and more



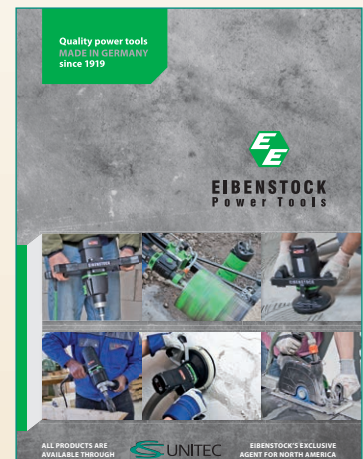
Portable Magnetic Drills:
Magnetic Drills & Accessories, Hand-held Drills and Drive Units, Nut Runners, Hammer Drills and more



Surface Finishing Tools:
High-performance tools and accessories for grinding, sanding, polishing, deburring and beveling stainless steel, steel, nonferrous metals, wood and more



Non-sparking Hand Tools:
Non-sparking Hand Tools, Power Tools for use in Ex Zones, ATEX Zones and Hazardous Environments



Concrete & Masonry Tools:
Power tools for the professional contractor to drill, cut, grind and smooth concrete, masonry, wood, drywall and more – includes dust collection tool systems



CS UNITEC, Inc. 22 Harbor Avenue, Norwalk, CT 06850
Phone 800-700-5919 • 203-853-9522 • Fax 203-853-9921
Email info@csunitec.com • www.csunitec.com

View product demonstrations at www.csunitec.com

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