



**PNEUMATIC • ELECTRIC • HYDRAULIC  
PORTABLE SAWS**

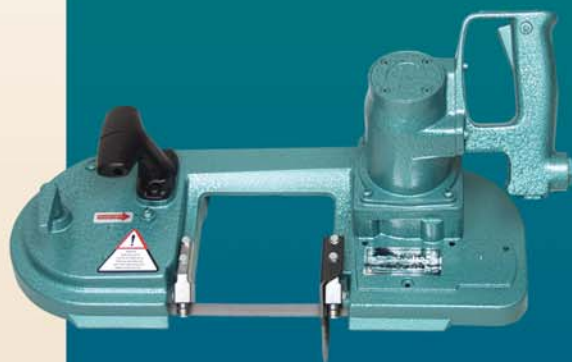
**HACKSAWS**

**RECIPROCATING SAWS**

**BAND SAWS**

**CHAIN SAWS**

**CUT-OFF SAWS**



**For Cutting  
Pipe, Structural  
Steel, Wood,  
Plastic, Concrete  
and Masonry**

# UNITEC *Portable Saws & Accessories*

## 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:

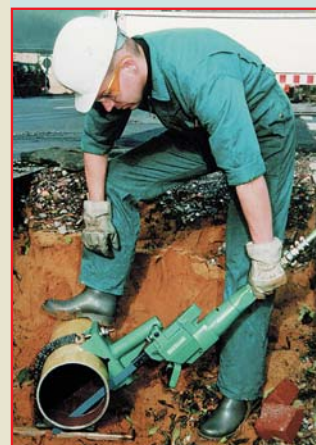
- **Portable saws for cutting pipe, metal, concrete, etc.**
- **Compact, lightweight, hand-held and clamp-mounted saws**
- **The best power-to-weight ratios**
- **Long-lasting, heavy-duty saw blades for fast cutting of steel, stainless steel, Inconel, chrome, Hastelloy, aluminum, iron, plastics, masonry,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



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## 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.

- 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 p. 29)

- 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
MC220/24	Machine	24 TPI	8 1/2" 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**

*Sturdy air saw for continuous use*

## 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



**Cut Sheet Metal**

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



**Cut Nails**

- $\frac{7}{8}$ " blade stroke, up to 2000 strokes per minute
- Fitted with easy-to-use STOP/Isolator button on the handle for safety when changing blades
- Uses any  $\frac{1}{2}$ " (12mm) wide Bi-metal hand, machine or yellow blades

## Cengar Saw Blades and Accessories (see page 4)

- $\frac{1}{2}$ " wide Bi-metal Blades suit a wide range of applications



## Model PL905

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



# Reciprocating Air Saws



ATEX Certified

*Ideal for cutting metal, timber and fiberglass*



**Models CL50 & CL75**  
*Rugged air saws for versatile applications*

## Low Vibration • Low Noise

- Workhorses for use in the fabrication, shipbuilding, ship repair, oil and petrochemical, boat building and aircraft maintenance fields
- Also utilized by fire and rescue professionals
- 1<sup>3</sup>/<sub>4</sub>" blade stroke, up to 1200 strokes per minute
- 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 and can be easily converted to a CL75 by changing the nosepiece
- CL75 uses a 3/4" (19mm) wide Bi-metal machine blade



*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" 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



## Models CL50 & CL75

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

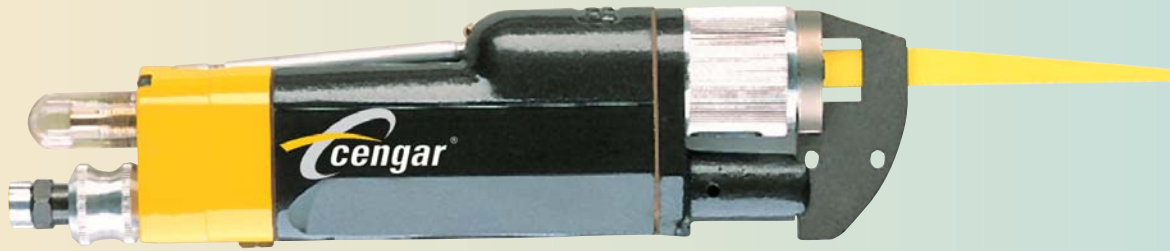
# Reciprocating Air Saws



ATEX Certified



*Ideal for cutting fiberglass, light-gauge metal & fiberboard*



## Model JP901

*Speedy, lightweight air saw for repair and construction environments*

### Low Vibration • Low Noise

- Ideal for cutting fiberglass, light-gauge metal and fiberboard up to  $\frac{3}{8}$ " (10mm) thick
- Utilized by boat builders and in the construction and repair of car, bus and truck bodies
- Low air consumption – only 4 CFM
- $\frac{3}{8}$ " 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  $\frac{1}{2}$ " (12mm) wide Bi-metal hand, machine or yellow blades and can be easily converted to use  $\frac{3}{4}$ " 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)

- $\frac{1}{2}$ " and  $\frac{3}{4}$ " wide Bi-metal Blades suit a wide range of applications
- To fit our  $\frac{3}{4}$ " Bi-metal blades, order  $\frac{3}{4}$ " nosepiece – Part. No. 5075



### Model JP901

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

RECIPROCATING SAWS



## Portable Reciprocating Saws

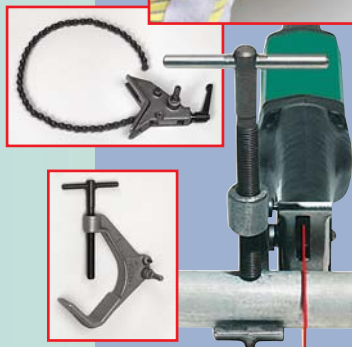
**The most powerful  
in the industry!**

**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



ATEX Certified

**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 16 for use with portable hacksaws





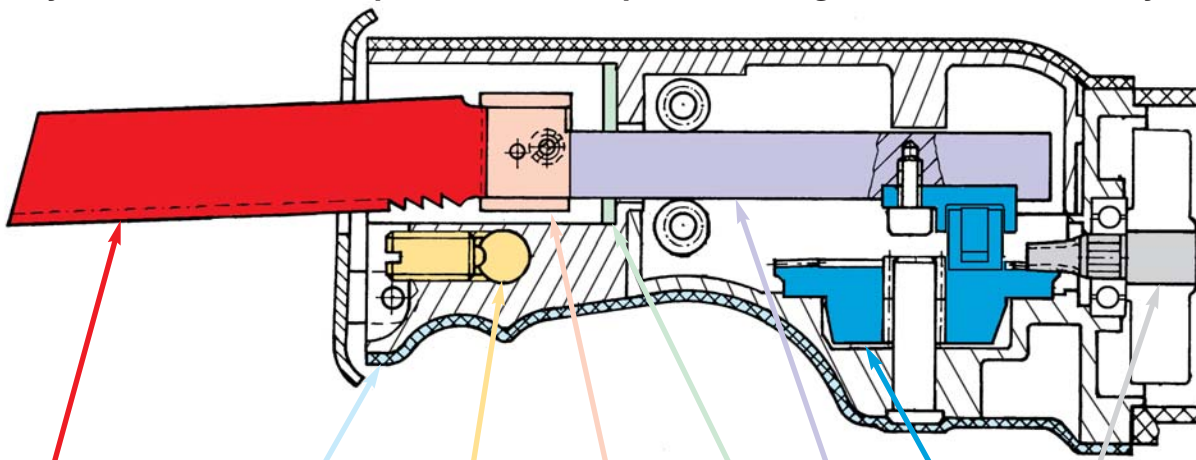
# Reciprocating Saws

## The New Generation Gear Head

**ANC** = **A**ll-round **N**eedle-bearing **C**rank Drive



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

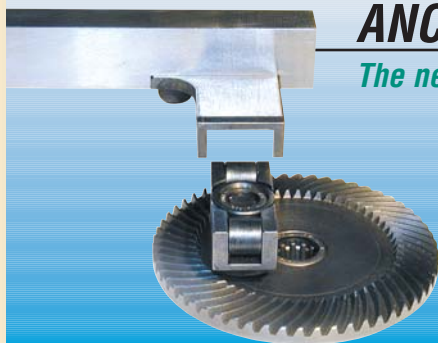
ANC gear drive

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*

## 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**



**Saw Kit (5 1217 0060)** includes saw, 6" pipe clamp, case 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

- Cuts steel pipe and channel 1/2" to 4" 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
- One-year warranty

**Pipe Clamps for Straight Cutting up to 6" dia.**

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



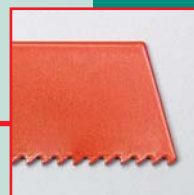
### Model 5 1217 0020

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



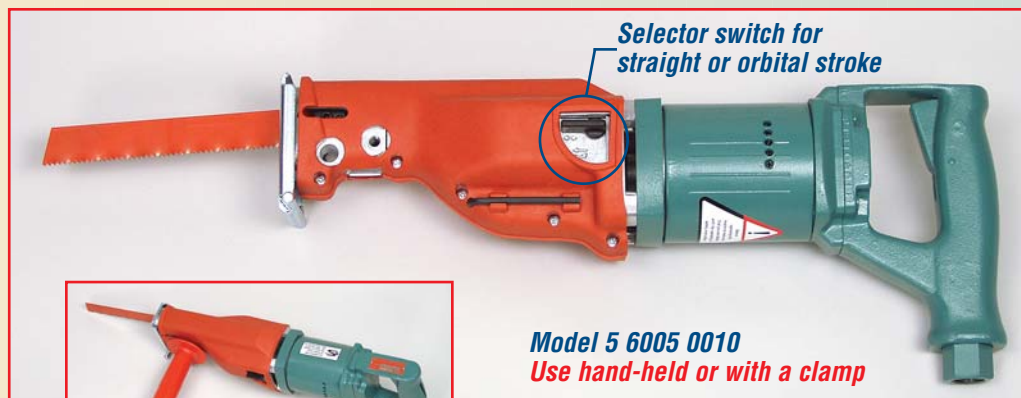
# 1.6 HP Pneumatic Reciprocating Saw

*Ideal for cutting pipe, structural steel and other materials*



## The WOLF

RECIPROCATING SAWS



*Shown with side handle*

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

- 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
- 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
- One-year warranty



*Pipe Clamps for Straight Cutting up to 6" dia.*

- 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.*



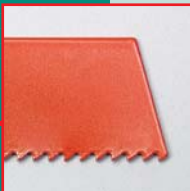
**Reciprocating Saw Blades and Accessories (see page 13)**

- 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

- Marine, mining, utility and construction applications
- Operate on 2000 PSI / 6 GPM (up to 13 GPM) hydraulic oil
- Cut wood up to 6" dia., metal up to 3/4" 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 Male
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.)
<b>Single Speed</b>						
5 6002 0000	9.5 Amp, 110V*	1 1/8"	2200	Spade	19"	6
<b>Variable Speed</b>						
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

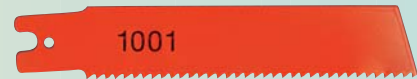
**Super quick and precise for pipe, steel, plastic, etc.**

**\*\*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 page 31 for details. \*\***

## 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 • Ask for special blades to cut stainless steel.



## 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

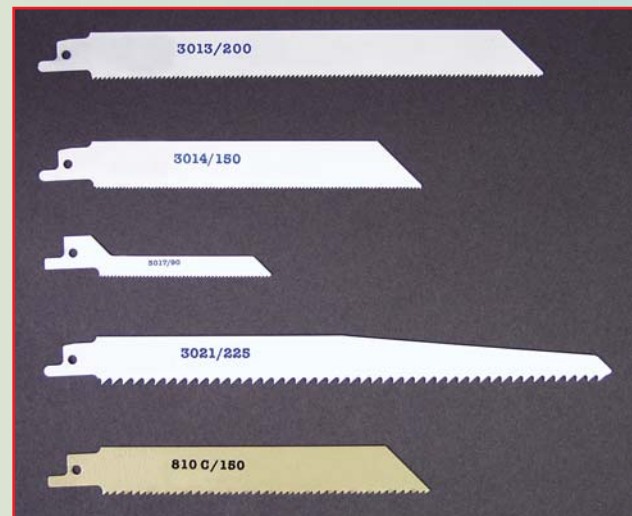
No. 3021/150	6 TPI	6" L x 3/4" W x .035" T
No. 3021/225	6 TPI	8" L x 3/4" W x .035" T
No. 3021/300	6 TPI	12" L x 3/4" W x .035" T

### 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
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## 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. 006/250	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.

**Cuts in Both Directions!**



# Portable Hacksaws for Tough Duty

**On-site cutting of pipe up to 24" 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
- 2 <sup>3</sup>/<sub>8</sub>" blade stroke
- Pipe clamps for 90° cutting of up to 24" OD pipe
- Profile clamps for structural steel
- Wide variety of blades and accessories for cutting steel, stainless steel, aluminum, plastic, wood and ductile iron
- Optional blade guide to ensure right-angle cuts
- Automatically cut pipe with our optional self-feeding, pneumatic-powered pipe clamp system



**Assorted pipe clamps  
for pipes up to 24"  
OD or profile clamps  
for structural steel**

**Manual or  
automatic feed**

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

**HSS, HSS-SL,  
carbide-coated  
and Diamond-  
coated blades  
available**

**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)**



# Portable Power Hacksaws

## Air, Electric and Hydraulic for cutting pipe and steel



**Model 5 1212 0050**  
with lever throttle  
*Pneumatic*



**ATEX Certified**

**3/4" NPT Air Connection**

**Model 5 1215 0070**  
with variable speed  
*Electric*



**11 Amps / 110 Volt (220 Volt Available)**

**Model 5 1220 0050**  
*Hydraulic*



**ATEX Certified**

**1/2" FF Couplings**

- Pneumatic, 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

**Pipe Capacity**

**24" OD**

**Profile Capacity**

**21 3/4" h x 11 1/2" w**

- Cut pipe up to 24" OD in one pass
- Chain clamps and profile clamps available for accurate 90° cutting of pipe and structural steel
- 2 3/8" 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
- 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 16)
- One-year warranty

### Throttle Types for Pneumatic Saws:



**Roll Throttle** (pneumatic model 5 1212 0010 only) – is used only with automatic feed pipe clamp (see page 16)

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



**Accessory Saw Blades**  
(see page 17)

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

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
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

## Automatic Feed Pipe Clamp for Pneumatic Saws



### Model No. 5 1208 9980 – Automatic Clamp

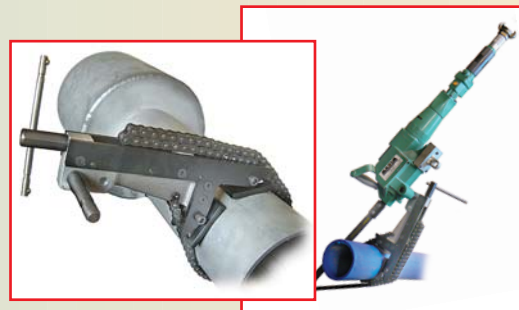
- Save time and effort by automatically cutting pipe up to 12<sup>3</sup>/<sub>4</sub>" OD (up to 24" OD with extension chain)
- Self-feeding device saves operator time and makes work easier
- Easily attaches to CS Unitec air hacksaw and shares same 90 PSI air supply (Pipe clamp for use only with CS Unitec air hacksaw Model No. 5 1212 0010)
- Blade guide is optional (see page 17)



## 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 12<sup>3</sup>/<sub>4</sub>" OD [up to 24" OD with extension chain no. CP1/10 (39-3/8" long)]
- CP1 easily attaches to most of our reciprocating saws for 90° cuts in tight spaces



## Clamps for Pipes and Profiles

Ensure 90° cuts through pipe and profiles

Large Pipe Clamp,  
Model 5 1202 9960



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

Model No. 5 1202 9960  
4" to 12<sup>3</sup>/<sub>4</sub>" OD pipe clamp  
(up to 24" OD with extension chain shown below)

Model No. 5 1207 8970  
21<sup>5</sup>/<sub>8</sub>" x 11<sup>3</sup>/<sub>8</sub>" profile clamp



Small  
Pipe  
Clamp,  
Model  
5 1207 9910

Up to 6"  
pipe dia.



Profile Clamp,  
Model 5 1207 8970



## Extension Chains for Pipe Clamps

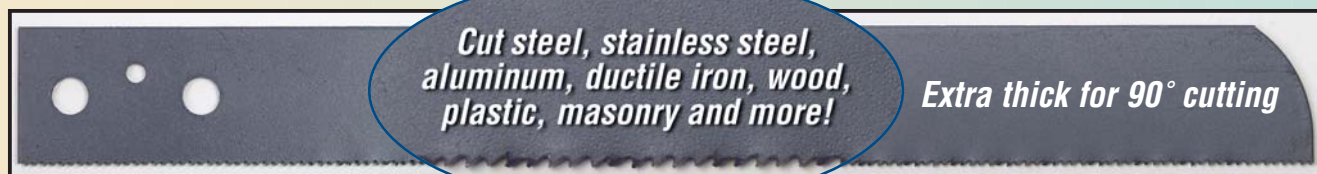
- Extend capacity of pipe clamps up to 24" OD
- Model No. 5 1201 9010 – 17<sup>3</sup>/<sub>4</sub>" chain extension  
Model No. 5 1201 9030 – 39<sup>3</sup>/<sub>8</sub>" chain extension  
(allows pipe clamp Nos. 5 1202 9960 and 5 1208 9940 to fit 24" OD pipe)



# 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 31 for details. \*\*

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"
Z22-11 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"
Z22-83 DSB	12"	Coated	3/32"	—	—	Ductile Iron	6 5/8"
Z22-7 HSS	16"	16	1/16"	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 WS	16"	4	1/16"	—	Plastics/Wood	—	10 5/8"
Z22-33 HSS	16"	6	1/16"	Cast Iron	Plastics	Cast Iron	10 5/8"
Z22-86 DSB	19"	Coated	7/64"	—	—	Ductile Iron	13"
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 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"
Z22-37 HSS	37"	12	5/64"	Steel	—	—	31 7/8"

## 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)



# Portable Band Saws

**Fast, on-site cutting of  
pipe and other materials**

**Pneumatic • Electric • Hydraulic**

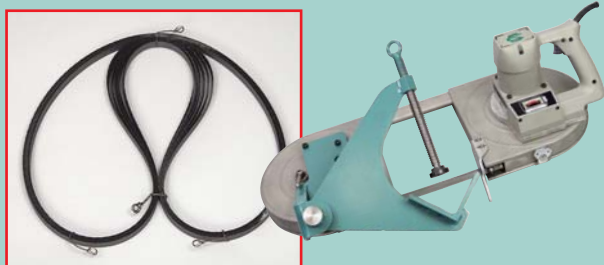
**Power for a wide range  
of industries**

- 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



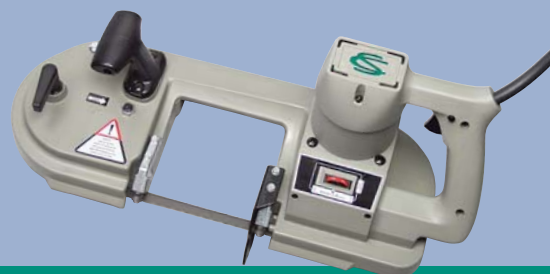
## Band Saw Accessories

We also offer a full line of Band Saw blades and accessories, including vise clamps for straight cutting. Please see page 21 for more information.



**4 3/4" AirBand™ Saw**

p. 19



**4 3/4" Electric Band Saw**

p. 20



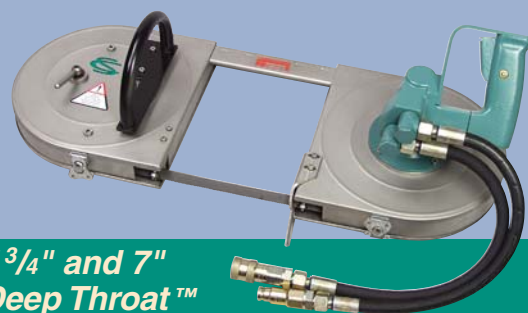
**7" Deep Throat™  
AirBand Saw**

p. 19



**7" Deep Throat™  
Electric Band Saw**

p. 20



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

p. 20



# Pneumatic Portable Band Saws



ATEX Certified



*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 4<sup>3</sup>/<sub>4</sub>" OD
- Deep Throat™ models with planetary gearbox cut up to 7" OD



7" Cutting Capacity



**AirBand™ Model 5 6003 0010**  
4<sup>3</sup>/<sub>4</sub>" 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

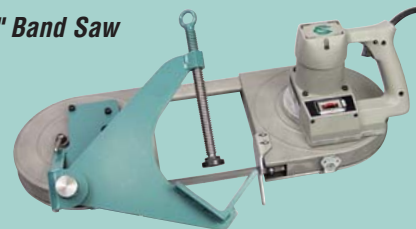


## Vise Clamp for Straight Cutting

Securely clamp to round, square and angular materials for accurate cuts

**Model No. 5 6031 9400** – Clamp-on vise for 7" Band Saw  
(Models 5 6031/5 6041/5 6047)

Rounds: 7" (180mm);  
Squares: 5" (125mm);  
Angles: 5" (125mm)



Model No.	Motor Power and Specs.	Blade Speed (RPM)	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	Variable 130-220	4 <sup>3</sup> / <sub>4</sub> "	4 <sup>1</sup> / <sub>2</sub> " x 4 <sup>3</sup> / <sub>4</sub> "	44 <sup>7</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>2</sub> "	Aluminum	21 <sup>1</sup> / <sub>2</sub> "	1/4" NPT (ID)	3/8"	14
Deep Throat™ AirBand										
5 6031 0010	1.3 HP, 90 PSI, 43 CFM	Variable 240-295	7"	7" x 7"	66" x 5/8"	Stainless Steel	28 <sup>3</sup> / <sub>4</sub> "	1/2" NPT (ID)	1/2"	28

# Electric and Hydraulic Portable Band Saws

Construction, utility, marine and demolition applications

## Electric Band Saws



*Electric Deep Throat™ Model 5 6047 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 4<sup>3</sup>/<sub>4</sub>" OD
- Deep Throat™ models with stainless steel housing and planetary gearbox cut up to 7" OD
- Fast on-site cutting



*Electric Model 5 6046 0010*

Model No.	Motor Power and Specs.*	Blade Speed (RPM)	Capacity		Blade Size	Housing	Overall Length	Weight (lbs.)
			Round	Rectangular				
Electric								
5 6046 0010	5.8 Amp, 110VAC	Variable 100-245	4 <sup>3</sup> / <sub>4</sub> "	4 <sup>1</sup> / <sub>2</sub> " x 4 <sup>3</sup> / <sub>4</sub> "	44 <sup>7</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>2</sub> "	Aluminum	21 <sup>1</sup> / <sub>2</sub> "	14
Deep Throat™ Electric								
5 6047 0010	5.8 Amp, 110VAC	Variable 100-245	7"	7" x 7"	66" x 5 <sup>5</sup> / <sub>8</sub> "	Stainless Steel	28 <sup>3</sup> / <sub>4</sub> "	28

## 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<sup>3</sup>/<sub>4</sub>" OD
- Deep Throat™ models with planetary gearbox cut up to 7" OD
- 1/2" Flush-face (HTMA) couplings and hoses are included



*1/2" FF Coupling*

Model No.	Motor Power Specs.	Blade Speed (RPM)	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	Variable 100-256	4 <sup>3</sup> / <sub>4</sub> "	4 <sup>1</sup> / <sub>2</sub> " x 4 <sup>3</sup> / <sub>4</sub> "	44 <sup>7</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>2</sub> "	Stainless Steel	22"	23
Deep Throat™ Hydraulic - 1/2" FF (HTMA) Couplings								
5 6041 0010	1.6 HP, 2000 PSI, 4 GPM	Variable 100-256	7"	7" x 7"	66" x 5 <sup>5</sup> / <sub>8</sub> "	Stainless Steel	28 <sup>3</sup> / <sub>4</sub> "	28



# 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



\* 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 Clamp for Accurate Cuts

- Securely clamp to round, square and angular materials for straight cutting
- Easily attach to CS Unitec Portable Band Saws, model numbers:  
5 6031 0010  
5 6041 0010  
5 6047 0010



Model 5 6031 9400  
with Band Saw

### Model No. 5 6031 9400

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

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

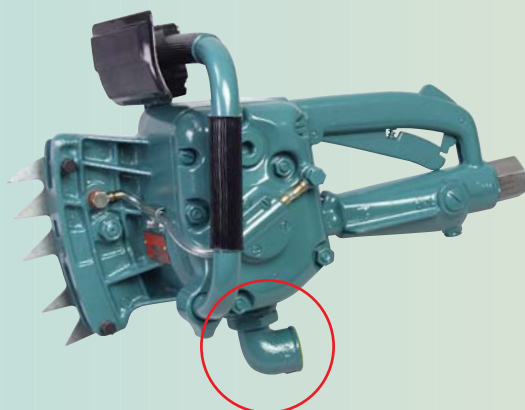


# 4 HP Pneumatic Chain Saw

**Powerful, efficient cutting of wood and plastic**

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

**Model 5 1007 0040**  
25" cutting capacity



*Underwater chain saw shown with exhaust valve.*

**Model Series 5 1008**



*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**.*

- Ideal for use 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 and 92 CFM
- Chain guard to protect operator
- Available with 17", 21" and 25" cutting capacity
- .404 pitch Super Chisel saw chain is standard
- Carbide-tipped and Ripping saw chain are optional

Model No.	Power	Cutting Capacity	PSI	CFM	Length with Bar	Weight (lbs.)	Air Connection	Hose ID
<b>General Use</b>								
<b>5 1007 0010</b>	4 HP	17"	90	92	33"	18	3/4" NPT (ID)	5/8"
<b>5 1007 0020</b>	4 HP	21"	90	92	37"	19	3/4" NPT (ID)	5/8"
<b>5 1007 0040</b>	4 HP	25"	90	92	41"	20	3/4" NPT (ID)	5/8"
<b>Underwater Use*</b>								
<b>5 1008 0030</b>	4 HP	21"	90	92	37"	19	3/4" NPT (ID)	5/8"
<b>5 1008 0040</b>	4 HP	25"	90	92	41"	20	3/4" NPT (ID)	5/8"

\* Pneumatic Chain Saw with 17" cutting capacity is also available for underwater applications.

# Utility Pneumatic Chain Saw



## Compact, lightweight and powerful

- Ideal all-purpose air chain saw
- Only 5.4 lbs.
- 10" capacity
- Ideal for use in 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

## Chain Saw Extension Rod – extends saw reach to 7'

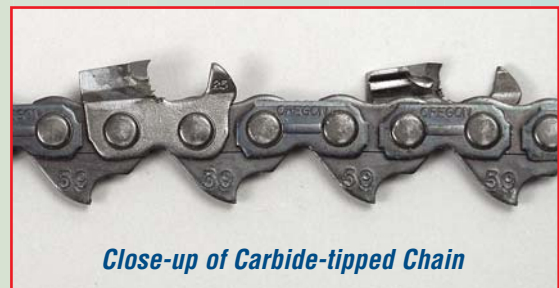
Part No.  
0165.0602

- For use with pneumatic chain saw, model no. 5 1005 0010 (above)
- Trigger on handle allows accurate control of speed



## 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 resharpened
- Available in 10", 17", 21" and 25" lengths



Close-up of Carbide-tipped Chain

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

## Guide Bars

- For wood and plastics
- Armor Tip available in 10", 17", 21" and 25" lengths
- Sprocket Tip available in 10" length only







# Concrete Chain Saws

Pneumatic • Hydraulic

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



Model CS 536163-2  
6.5 HP Air Motor

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

- Specifically designed for the demanding requirements of professional sawing and drilling contractors
- Now with AirFORCE F4™ Diamond chain – optimized for use with pneumatic saw
- Deep plunge cuts – up to 15" deep
- Square corners up to 14" 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

*Plunge cut up to 15" deep!*



- 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 536163 Pneumatic**

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

## **CS 526822 Hydraulic**

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

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

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

# Concrete Chain Saws

*Rugged construction for demanding applications*

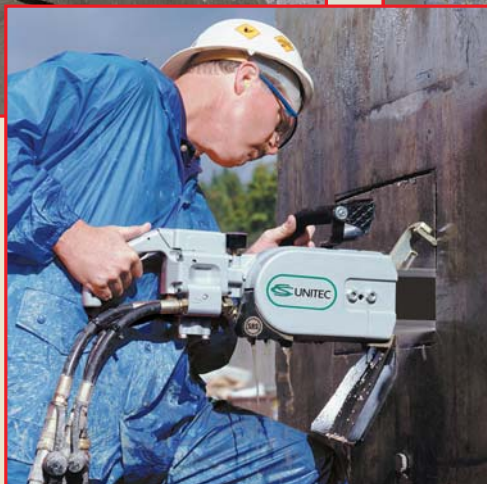


*Above: Optional SpeedHook® guides saw for straight cutting (see page 26).*



**Model CS 526822**  
**11 HP Hydraulic Motor**

**FORCE F4**  
**Diamond Chains**



CONCRETE CHAIN SAWS

Model No.	Power	No Load Speed	Max. Depth of Cut	Motor Specifications	Weight w/ Bar and Chain	No Load Torque (in.-lbs.)	Noise Level at 3 ft.
<b>Pneumatic Concrete Chain Saw</b>							
<b>CS 536163-1</b>	6.5 HP	5700 RPM	10"	124 CFM @ 90 PSI (6 bar)	32	104	88 dB
<b>CS 536163-2</b>	6.5 HP	5700 RPM	15"	124 CFM @ 90 PSI (6 bar)	33	104	88 dB
<b>Hydraulic Concrete Chain Saw</b>							
<b>CS 526822-1</b>	11 HP	5700 RPM	10"	8 GPM @ 2500 PSI (172 bar)	28	95	88 dB
<b>CS 526822-2</b>	11 HP	5700 RPM	15"	8 GPM @ 2500 PSI (172 bar)	29	95	88 dB



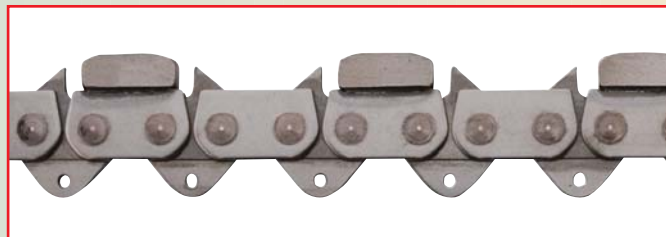


# Concrete Chain Saw Accessories

*Make your concrete chain saw work for you*

## **AirFORCE F4™** Diamond Chains *Three options for cutting*

*Match the Diamond Chain to the material or application:*



### 1. AirFORCE Premium

*For cutting concrete with steel reinforcement*  
10" – Part No. 536164  
15" – Part No. 536165

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

### 2. AirFORCE Standard

*General-purpose Diamond Chain*  
10" – Part No. 536166  
15" – Part No. 536167

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

### 3. AirFORCE AbrasivePRO

*For cutting soft, abrasive material*  
10" – Part No. 531747  
15" – Part No. 525344



## **Guide Bars with internal water feed**

**10" Guide Bar**  
Part No. 529829

- 10" cutting capacity
- 9" depth of square cut
- Accommodates a 25 segment Diamond Chain

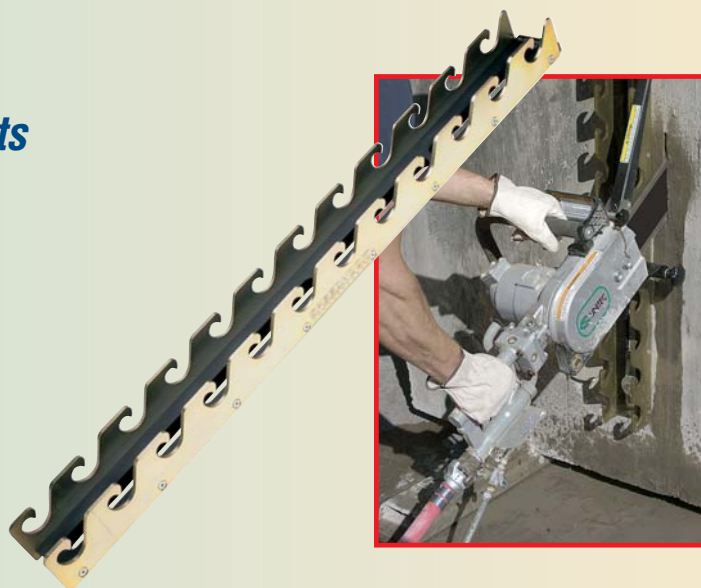
**15" Guide Bar**  
Part No. 523080

- 15" cutting capacity
- 14" depth of square cut
- Accommodates a 29 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. CS 536164-15) is approximately 600 in.-ft. in concrete with up to  $\frac{5}{8}$ " rebar.

Lineal feet in common wall thickness\*:

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

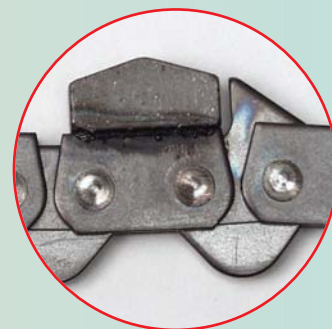
The cutting life of the chains is not guaranteed. There are many variables from job to job, including hardness of concrete, which make it impossible to accurately predict chain life. \*These numbers are rough, starting point estimates only, not for bidding purposes. Please refer to Operator's Manual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



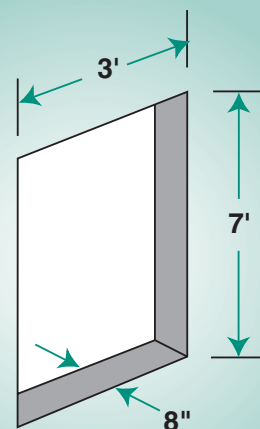
## How to calculate inch-foot (in.-ft.)

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:

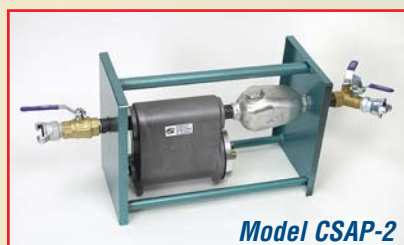
Calculate how many in.-ft. are in this doorway.

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

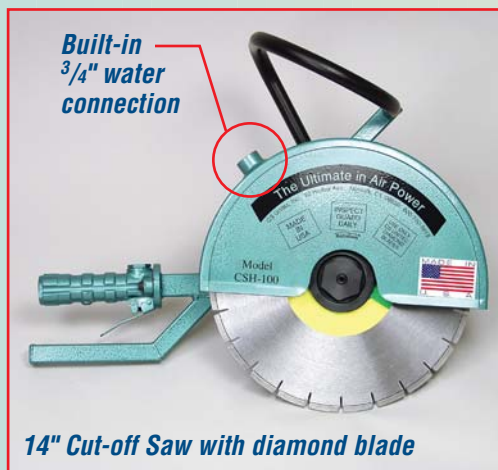


Model CSAP-2

- 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

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

Cut concrete, asphalt, masonry, steel and more



14" Cut-off Saw with diamond blade

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

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

Cut-off Saw with 12" 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

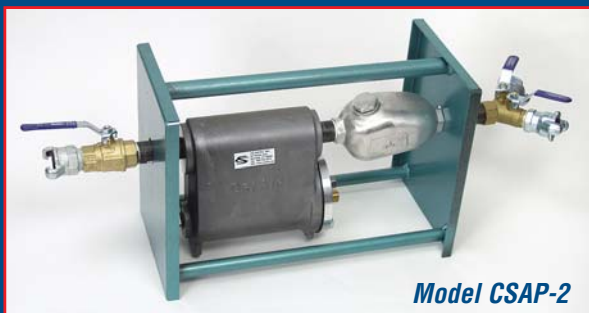
- Wet or dry cutting of concrete, asphalt and other materials
- Cut up to 7" deep with no gas or engine fumes
- Low maintenance – no belts, pistons, fuel lines or carburetors
- Designed for tough cutting jobs, including joint sawing, floor sawing, trenching, road repair and plant maintenance
- 9.5 HP 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.

# AirPac Extends life of pneumatic power tools



Model CSAP-2

## 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

- 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  $\frac{1}{2}$  pint oiler; prevents tools from freezing in cold environments
- Two 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

## 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  
Order No.  
CS 7043-001

Case (4 bottles)  
Order No.  
CS 7043-002

### ProLube-ATL/AF

1 gallon bottle  
Order No.  
CS 7049-001

Case (4 bottles)  
Order No.  
CS 7049-002

### Air Tool Line Conditioner

1 quart/liter bottle  
Order No.  
MS 9105



# Pneumatic and Electric Nibblers

## Easily cut sheet metal and steel up to $\frac{3}{8}$ " thick

- Pneumatic or electric power is ideal for cutting sheet metal, steel plate, weldments and double sheets, as well as exotic materials and plastics
- Two-speed gearbox (model CS-3400-P or -E)
- Heavy-duty construction
- Head can be rotated to four 90° positions (on selected models)
- Cut over 90° bends with optional die
- Maximum cutting capacity:  
Mild Steel: up to .375"  
Stainless Steel: up to .195"  
Aluminum: up to .500"
- Ideal for use in underground storage tank removal, I-beam splitting, plate cutting and more
- Lightweight construction with quick-change punch and die



*CS-3400 cuts up to  $\frac{3}{8}$ " thick steel.*



Model No.	Power	CFM	Working Speed (ft./min.)	Start Hole Dia.	Min. Radius	Strokes per Minute	Max. Sheet Thickness			Weight (lbs.)
							Mild Steel	Stainless Steel	Aluminum	
Electric (110 Volt)										
CS-350-E	12 Amp	—	4	1.25"	.280"	650	.135"	.090"	.135"	7.5
CS-500-E	12 Amp	—	4.5	1.25"	3.125"	600	.197"	.135"	.276"	8.5
CS-700-E	17.4 Amp	—	5	2.75"	5.5"	400	.276"	.197"	.394"	26
CS-3400-E*	17.4 Amp	—	5.2	3"	16"	230 / 370	.375"	.276"	.500"	32
Pneumatic										
CS-350-P	1.5 HP/90 PSI	54	4	1.25"	.280"	530	.135"	.090"	.135"	10
CS-500-P	1.5 HP/90 PSI	54	4.5	1.25"	3.125"	530	.197"	.135"	.276"	10.5
CS-700-P	4 HP/90 PSI	100	5	2.75"	5.5"	340	.276"	.197"	.394"	27
CS-3400-P*	4 HP/90 PSI	100	5.2	3"	16"	210 / 350	.375"	.276"	.500"	32

\* 2-speed gearbox

# Lubricants

## ProLube™ Ideal for cutting steel, stainless steel and hard metals

Your cutting tools will 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

High film strength – stays on for the cut!



### ProLube Solid

CS 7020-013  
1.6 oz. push tube

CS 7020-000  
14.5 oz. push tube

### ProLube Liquid

Water soluble 16:1

CS 7010-504  
1 gal. bottle

### ProLube Paste

CS 7030-712  
12 oz. tub

## Also Available...

## SAFETY & POWER TOOLS

CS Unitec has the right tools for working in ATEX and EX zones, as well as in Subsea applications



### Air Nut Runners

- For turning valves, tightening, tapping, reaming, pipe beveling, expanding and more
- Hydraulic models available

### Portable Magnetic Drills – Air and Hydraulic

- Drill up to 2 1/16" (52mm) dia. holes
- Coolant system reduces risk of sparking
- Lightweight and portable
- Electric models to cut holes up to 5" dia. and 4" deep

HB-4400 Hydraulic Drill – ideal for subsea, marine and construction applications



AIRBOR™ Drill available with Optional Rack to increase stroke length to 10 3/4"

### Non-Sparking & Non-Magnetic Safety Tools

#### AlBr or CuBe Alloy

- For Ex zones where hazardous, flammable or combustible materials may be present
- Hammers, wrenches, sockets and more



## Warranty

Products of CS Unitec, Inc. are warranted to be free from defects in material and workmanship for one year from date of purchase. This warranty does not apply to normal wear or products which have been abused, misused, modified or repaired by someone other than CS Unitec, Inc. or its Authorized Service Representatives.

If a product proves defective in material or workmanship within one year after purchase, return it to CS Unitec, Inc. or an Authorized Service Center, transportation prepaid. CS Unitec, Inc. will, at its option, repair or replace defective products free of charge.

CS Unitec, Inc.'s sole liability and your exclusive remedy under this warranty is limited to repair or replacement of the defective product. There are no other warranties expressed or implied and CS Unitec, Inc. shall not be liable for incidental, consequential or special damages, or expenses excepting only the cost or expense of repair or replacement as described above.

# **Also available from** **UNITEC:**

*CS Unitec, Inc. specializes in electric, pneumatic and hydraulic power 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 electric, pneumatic and hydraulic portable band saws, reciprocating saws, hacksaws, nut runners, rotary hammer drills, rolling motors, metal finishing tools, portable mixers, dust extraction tools and vacuum systems.*

***... the power of innovation!®***

***For more information, please visit our Web site at [www.csunitec.com](http://www.csunitec.com).***



*View product demonstrations at [www.csunitec.com](http://www.csunitec.com).*

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***Metal Finishing  
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***Air and hydraulic SDS Rotary  
Hammer Drills for concrete***



***Slow-speed Drive Units  
for high-torque turning***



***Electric Magnetic  
Drills for cutting up  
to 5" holes in  
metal***



***Pneumatic  
Magnetic Drills  
for use in  
hazardous  
environments***



***Electric, hydraulic and  
pneumatic Hand-held  
and Rig-mounted Core  
Drills for concrete***



***Nut Runners for turning valves,  
tightening, tapping, reaming,  
beveling and expanding***



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