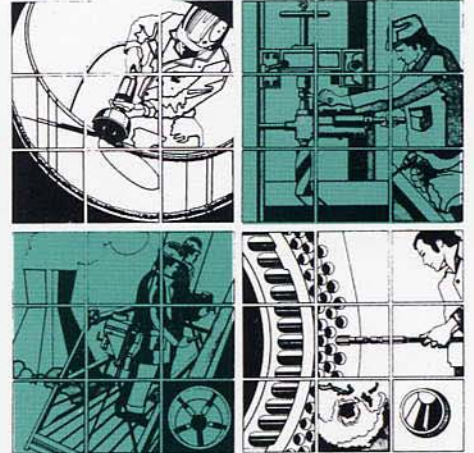
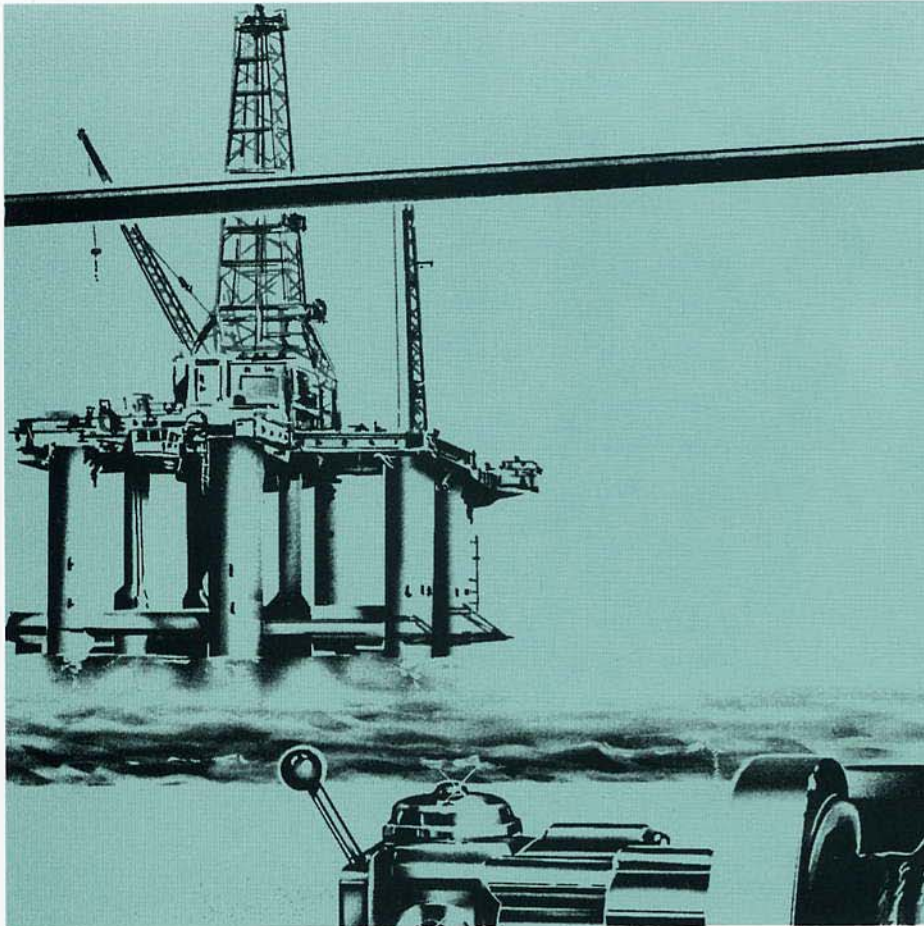
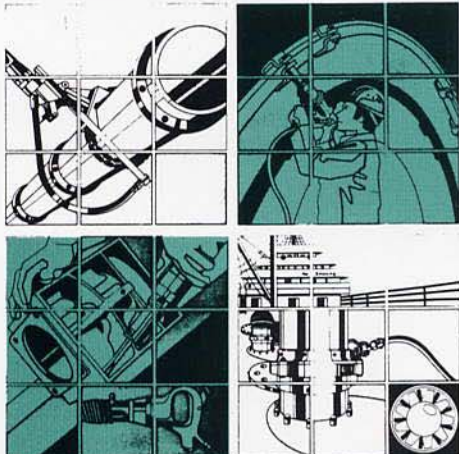


INDUSTRIAL TOOLS

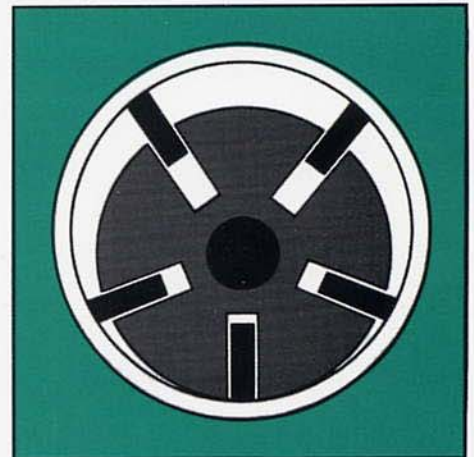
ELECTRIC, AIR & HYDRAULIC



Saws
Grinders
Magnetic Drills
Unibroach™ Cutters
Masonry Tools
Vacuums
Diamond Core Drills
Dust Extraction Tools



Polishers & Sanders
Finishing Tools
Nut Runners
Corner Drills
Nibblers
Air Movers
Fans
Mixers



 **UNITEC**

22 Harbor Avenue, Norwalk, CT 06850 • Toll Free: (800) 700-5919 • Tel: (203) 853-9522
Fax: (203) 853-9921 • Website: <http://www.csunitec.com> • E-Mail: Info@csunitec.com

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CS UNITEC, Inc.

22 Harbor Avenue, Norwalk, CT 06850

Toll Free: (800) 700-5919 Tel: (203) 853-9522 Fax: (203) 853-9921

Website: www.csunitec.com E-Mail: info@csunitec.com



**PNEUMATIC • ELECTRIC • HYDRAULIC
PORTABLE SAWS**

**HACKSAWS
RECIPROCATING SAWS
BAND SAWS
CHAIN SAWS
CUT-OFF SAWS
JIG 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*



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Electric

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Choose your Power...



Pneumatic-powered Saws

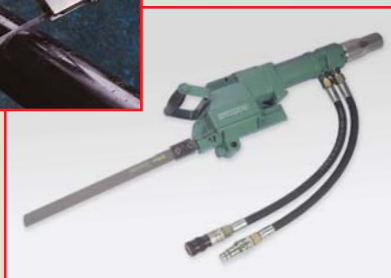
- ATEX Approved for use in hazardous areas
- Reliable and require less maintenance
- High power-to-weight ratios

ATEX Approved



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

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

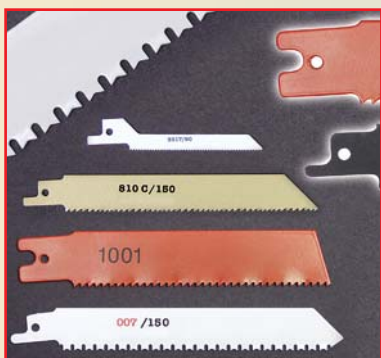
Our portable saws are ideal for right-angle cutting of pipe and structural steel using chain clamps or vise-on clamps.



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 Approved

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 Approved – 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
MC260/24	Machine	24 TPI	10 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
MB150/24	Machine	24 TPI	6" 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	Machine	10 TPI	12" L
MB300/14	Machine	14 TPI	12" L
MB300/18	Machine	18 TPI	12" L

Reciprocating Air Saws

ATEX Approved

Ideal for cutting pipe, metals, fiberglass and more



Model PL905

Sturdy air saw for continuous use



Cut Sheet Metal

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



Cut Nails

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
- $\frac{7}{8}$ " 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
- Easily converted to fit our $\frac{3}{4}$ " wide Bi-metal blade

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 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 ²)	1.73



Reciprocating Air Saws

ATEX Approved

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
- 1³/₄" 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



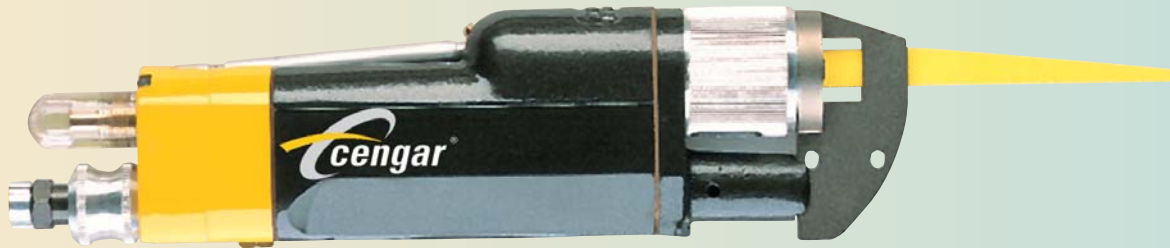
Models CL50 & CL75

Motor Power	1 HP
Stroke Length	1 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 (dB)	83
Vibration Level (m/s ²)	3.69

Reciprocating Air Saws

ATEX Approved

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 ²)	1.23

RECIPROCATING SAWS

Portable Reciprocating Saws

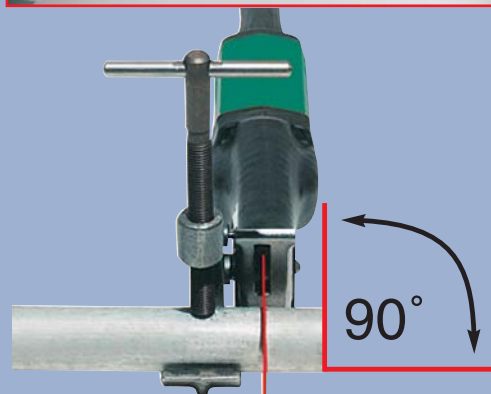
**The most powerful
in the industry!**

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

Pneumatic • Electric

**Ideal for a wide range
of industries, including 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



The CAT - 1.3 HP Pneumatic Reciprocating Saw

p. 10



The WOLF - 1.6 HP Pneumatic Reciprocating Saw

p. 11



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

The FOX - 9.5 and 12 Amp Electric Reciprocating Saws

p. 12

Pipe Clamps for 90° Cutting

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

**1/2" - 2" Pipe Vise Clamp
— order Model No. 259.983**

**2 1/2" - 4" Pipe Vise Clamp
— order Model No. 563.100**

**1/2" - 6" Pipe Chain Clamp
— order Model No. 251.259**



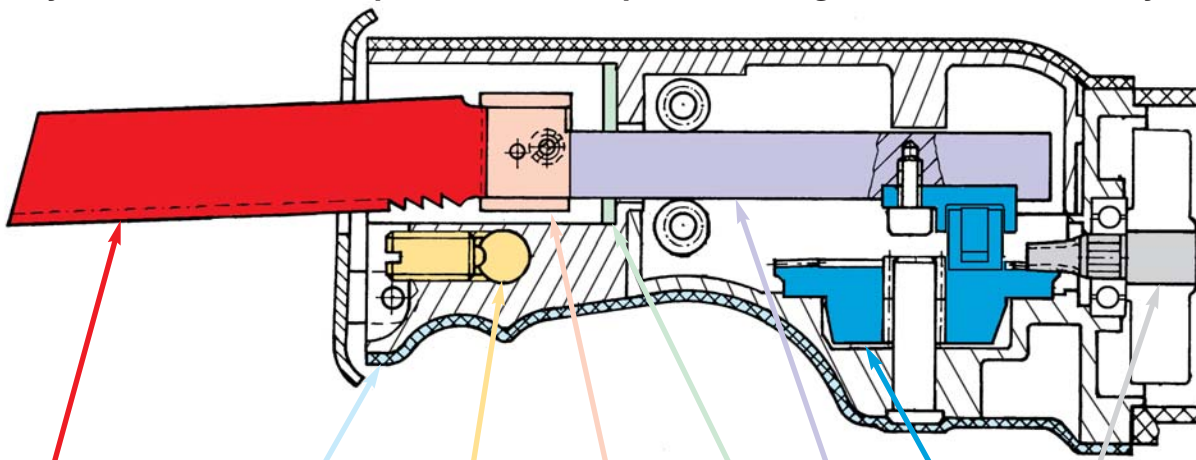
Reciprocating Saws

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

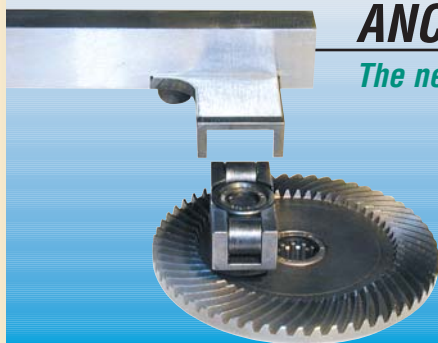
ANC gear drive

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 Approved



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

- 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



Reciprocating Saw Blades and Accessories (see page 13)



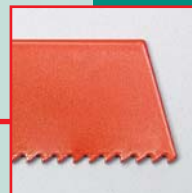
- Universal saw blades
- Thicker, heavy-duty double-tang blades for 90° cuts
- M-Tooth blades to cut on forward and back stroke

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

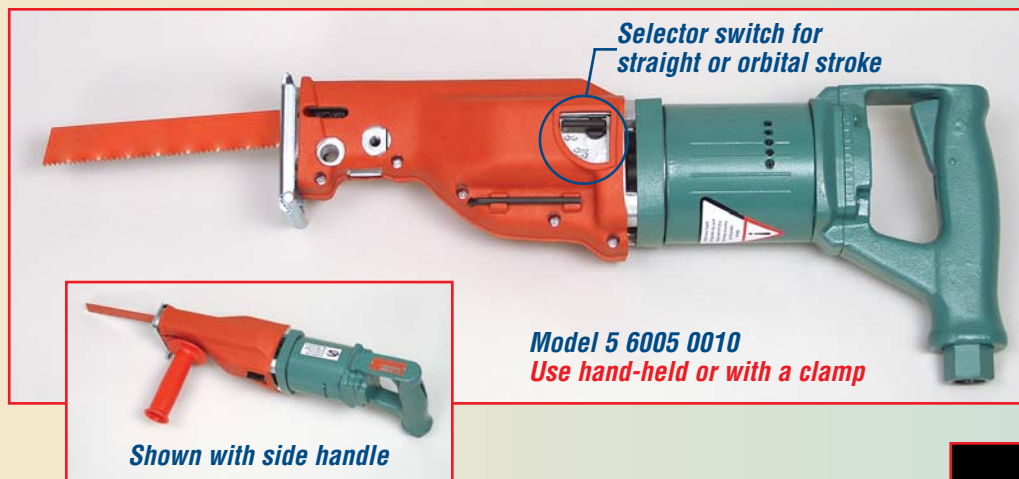
1.6 HP Pneumatic Reciprocating Saw

Ideal for cutting pipe, structural steel and other materials



The WOLF

RECIPROCATING SAWS



- 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.



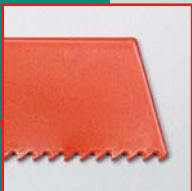
Reciprocating Saw Blades and Accessories (see page 13)

- 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



9.5 and 12 Amp Electric Reciprocating Saws

Ideal for demolition, pipe repair, pallets and more

The FOX
mini hacksaws –
the 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, cutting pallets and more
- Can be mounted on a pipe clamp to make 90° cuts
- 1 1/8" blade stroke for fast cutting
- 0-2200 variable stroke speed for models 5 6002 6000 and 5 6002 7000
- Accept universal saw blades or thicker, heavy-duty double-tang saw blades (see page 13)
- One-year warranty



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

Standard equipment includes 2" pipe clamp (#259.983), carrying case and two No. 1001 blades



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



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



Pipe Clamps for Straight Cutting up to 6" dia.
• Increase leverage 5x for faster cutting
• Safely secure the saw while cutting

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

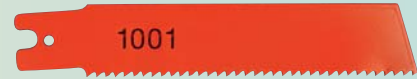
Super quick and precise for pipe, steel, plastic, etc.

****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 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

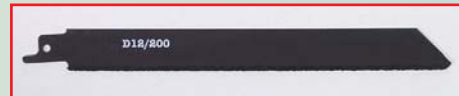
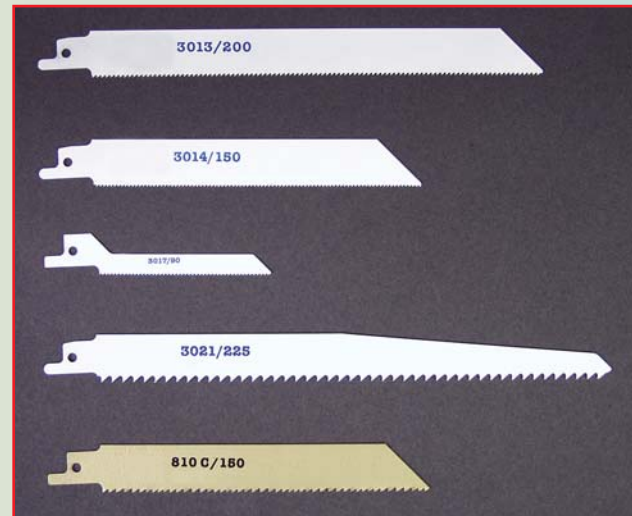
No. 3021/150	6 TPI	6" L x 3/4" W x .035" T
No. 3021/225	6 TPI	8" L x 3/4" W x .035" T
No. 3021/300	6 TPI	12" L x 3/4" W x .035" T

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 3/8" 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

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

HSS, HSS-SL, carbide-coated and boron-coated blades available

Twist or lever throttle

Pneumatic, electric or hydraulic motor

Pneumatic:
3/4" NPT Connection
Electric:
110 Volt (220V available)
Hydraulic:
3/8" 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 Approved

3/4" NPT Air Connection

Model 5 1215 0070
with variable speed
Electric



11 Amps / 110 Volt (220 Volt Available)

Model 5 1220 0010
Hydraulic



3/8" 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 9940 on page 16)
- One-year warranty

Throttle Types for Pneumatic Saws:



Accessory Saw Blades
(see page 17)

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



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

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 - 3/8" FF (HTMA) Couplings							
5 1220 0010	3.8 HP	Roll	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 9940

- Save time and effort by automatically cutting pipe up to 12³/₄" OD (up to 24" OD with extension chain)
- Self-feeding device saves operator time and makes work easier
- Easily attaches to CS Unitec pneumatic hacksaw and shares same 90 PSI air supply (Pipe clamp for use only with CS Unitec pneumatic hacksaw Model No. 5 1212 0010)
- Blade guide is optional (see below)

Clamps for Pipes and Profiles

Ensure 90° cuts through pipe and profiles



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

Model No. 5 1207 9910
6" OD pipe clamp

Model No. 5 1202 9960
up to 12³/₄" OD pipe clamp
(up to 24" OD with extension
chain shown below)

Model No. 5 1207 8970
21⁵/₈" x 11³/₈" 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 – 17³/₄" chain extension

Model No. 5 1201 9030 – 39³/₈" chain extension
(allows pipe clamp Nos. 5 1202 9960 and
5 1208 9940 to fit 24" OD pipe)

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)

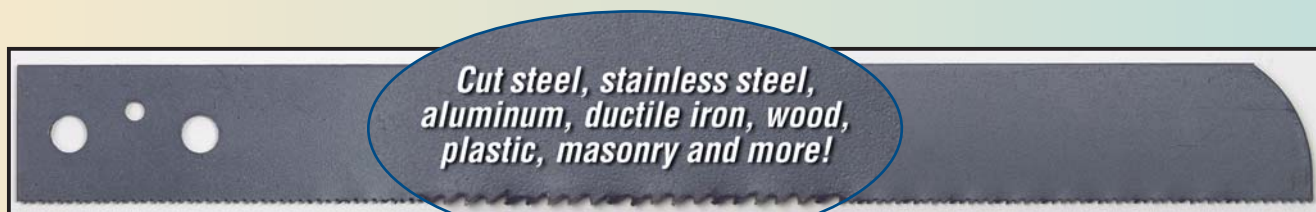
Model No. 5 1207 8910
for pipes up to 21" (30" min. blade length required)



Hacksaw Blades - 8" up to 37" long



Heavy-duty cutting of pipe and structural steel
Extra thick for 90° cutting



HSS or HSS-SL Saw Blade Shown

****Use ProLube™ Specialty Lubricants with your Hacksaw 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. ****

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 TDS	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"
Z22-86 TDS	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"

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

Portable Band Saws

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

Pneumatic • Electric • Hydraulic

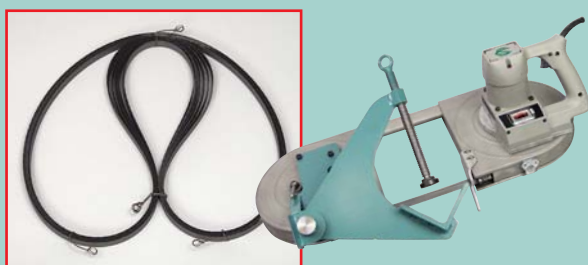
**Power for a wide range
of industries**

- 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.



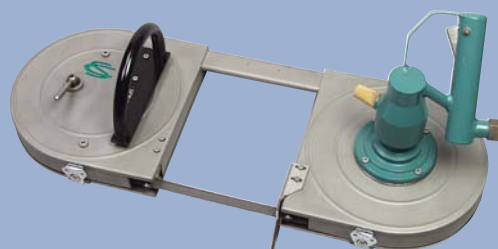
4 3/4" AirBand™ Saw

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 Approved



Ideal for hazardous atmospheres and wet environments

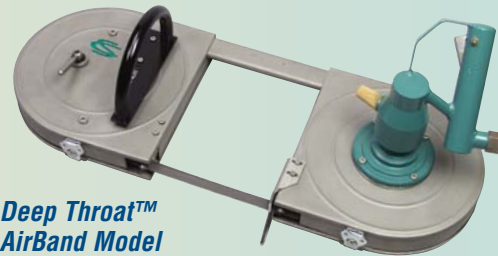
- Fast, on-site cutting
- Safer in hazardous atmospheres than electric saws
- Ideal for process shutdowns and turnarounds
- Reduces need for "hot work permits"
- No fear of electric shock or blown circuitry in wet environments
- AirBand™ models with aluminum housing cut up to 4³/₄" OD
- Deep Throat™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



7" Cutting Capacity



AirBand™ Model 5 6003 0010
4³/₄" OD cutting capacity



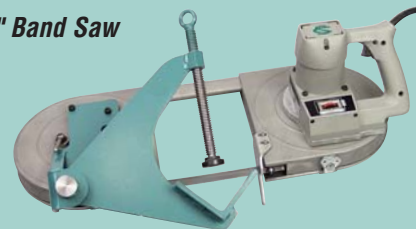
Deep Throat™ AirBand Model 5 6031 0010
7" OD cutting capacity



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 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	Variable 240-295	7"	7" x 7"	66" x 5/8"	Stainless Steel	28 ³ / ₄ "	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 4³/₄" 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 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 6047 0010	5.8 Amp, 110VAC	Variable 100-245	7"	7" x 7"	66" x 5 ⁵ / ₈ "	Stainless Steel	28 ³ / ₄ "	28

Hydraulic Band Saws

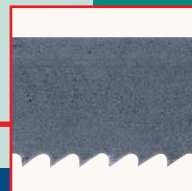
- Heavy-duty mining, utility, marine and construction applications
- Operate on 2000 PSI / 4 GPM (up to 13 GPM) hydraulic oil
- Standard models cut up to 4³/₄" OD
- Deep Throat™ models with planetary gearbox cut up to 7" OD
- 3/8" Flush-face (HTMA) couplings and hoses are included



3/8" FF Coupling

Model No.	Motor Power Specs.	Blade Speed (RPM)	Capacity		Blade Size	Housing	Overall Length	Weight (lbs.)
			Round	Rectangular				
Hydraulic - 3/8" FF (HTMA) Couplings								
5 6043 0010	1.6 HP, 2000 PSI, 4 GPM	Variable 100-256	4 ³ / ₄ "	4 ¹ / ₂ " x 4 ³ / ₄ "	44 ⁷ / ₈ " x 1 ¹ / ₂ "	Stainless Steel	22"	23
Deep Throat™ Hydraulic - 3/8" FF (HTMA) Couplings								
5 6041 0010	1.6 HP, 2000 PSI, 4 GPM	Variable 100-256	7"	7" x 7"	66" x 5 ⁵ / ₈ "	Stainless Steel	28 ³ / ₄ "	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"

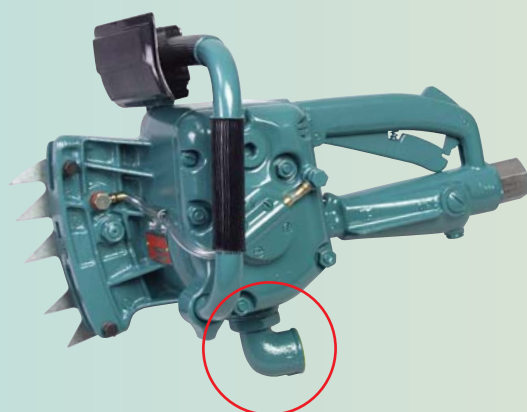


4 HP Pneumatic Chain Saw

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 15", 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
General Use								
5 1007 0003	4 HP	15"	90	92	31"	16	3/4" NPT (ID)	5/8"
5 1007 0010	4 HP	17"	90	92	33"	18	3/4" NPT (ID)	5/8"
5 1007 0020	4 HP	21"	90	92	37"	19	3/4" NPT (ID)	5/8"
5 1007 0040	4 HP	25"	90	92	41"	20	3/4" NPT (ID)	5/8"
Underwater Use*								
5 1008 0030	4 HP	21"	90	92	37"	19	3/4" NPT (ID)	5/8"
5 1008 0040	4 HP	25"	90	92	41"	20	3/4" NPT (ID)	5/8"

* Pneumatic Chain Saws with 15" and 17" cutting capacity are also available for underwater applications.

Utility Pneumatic Chain Saw



Compact, lightweight and powerful

- Ideal all-purpose air chain saw
- Only 4.4 lbs.
- 10" capacity
- Ideal for use in utilities, mines, construction and agriculture

Model 5 1005 0090

Motor Power	1.2 HP
Cutting Capacity	10"
PSI	90
CFM	30
Length	20 ¹ / ₄ "
Weight	4.4 lbs.
Air Connection	¹ / ₄ " NPT (ID)



*Model 5 1005 0090
10" cutting capacity
Includes built-in chain oiler*

Chain Saw Extension Rod – extends saw reach to 7'

Part no.
5 1005 0096

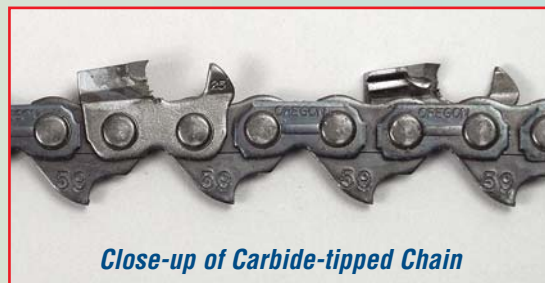
- For use with pneumatic chain saw, model no. 5 1005 0090 (above)

- 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", 15", 17", 21" and 25" lengths



Close-up of Carbide-tipped Chain

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

Guide Bars

- For wood and plastics
- Armor Tip available in 10", 15", 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 71773-2
6.5 HP Air Motor*

*Built-in Wallwalker provides
leverage to make cutting easier*

- Specifically designed for the demanding requirements of professional sawing and drilling contractors
- Deep plunge cuts – up to 14" deep
- Square corners up to 13" with no overcuts
- Cut mechanical openings and irregular shapes
- Easily cut through reinforced concrete, brick, block, concrete pipe and natural stone
- Durable industrial finish on die-cast aluminum body stands up to harsh environments
- Built-in Wallwalker provides leverage advantage to make cutting easier

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

CS 71773 Pneumatic

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

CS 71853 Hydraulic

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

*Plunge cut
up to 14" deep!*

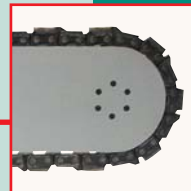


*Please see page 26 for
Concrete Chain Saw
Accessories, including:*

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

Concrete Chain Saws

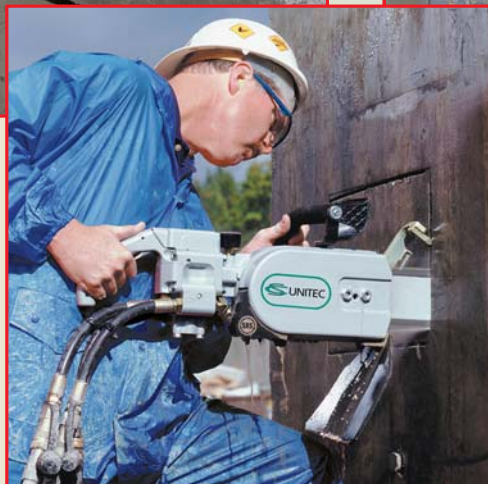
Rugged construction for demanding applications



Above: Optional SpeedHook® guides saw for straight cutting.

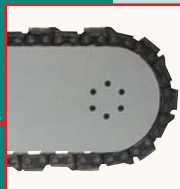


Model CS 71853
11 HP Hydraulic Motor



CONCRETE CHAIN SAWS

Model No.	Power	No Load Speed	Max. Depth of Cut	Motor Specifications	Weight w/ Bar and Chain	No Load Torque (in.-lbs.)	Noise Level at 3 ft.
Pneumatic Concrete Chain Saw							
CS 71773-1	6.5 HP	5700 RPM	10"	124 CFM @ 90 PSI (6 bar)	32	104	88 dB
CS 71773-2	6.5 HP	5700 RPM	14"	124 CFM @ 90 PSI (6 bar)	33	104	88 dB
Hydraulic Concrete Chain Saw							
CS 71853-1	11 HP	5700 RPM	10"	8 GPM @ 2500 PSI (172 bar)	28	95	88 dB
CS 71853-2	11 HP	5700 RPM	14"	8 GPM @ 2500 PSI (172 bar)	29	95	88 dB



Concrete Chain Saw Accessories

Make your concrete chain saw work for you

Diamond Chains

Three options for cutting

Match the Diamond Chain to the material or application:



1. **PremiumPRO**
For cutting concrete with steel reinforcement
11" – CS 74715-11
15" – CS 74717-15

11" chain has 28 segments for 10" max. cutting depth, 9" square corners

2. **TwinPRO**
General-purpose Diamond Chain
11" – CS 74721-11
15" – CS 74723-15

15" chain has 33 segments for 14" max. cutting depth, 13" square corners

3. **AbrasivePRO**
For cutting soft, abrasive material
11" – CS 70717-11
15" – CS 70721-15



Guide Bars with internal water feed

11" Guide Bar
CS 72269-11

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

15" Guide Bar
CS 72176-15

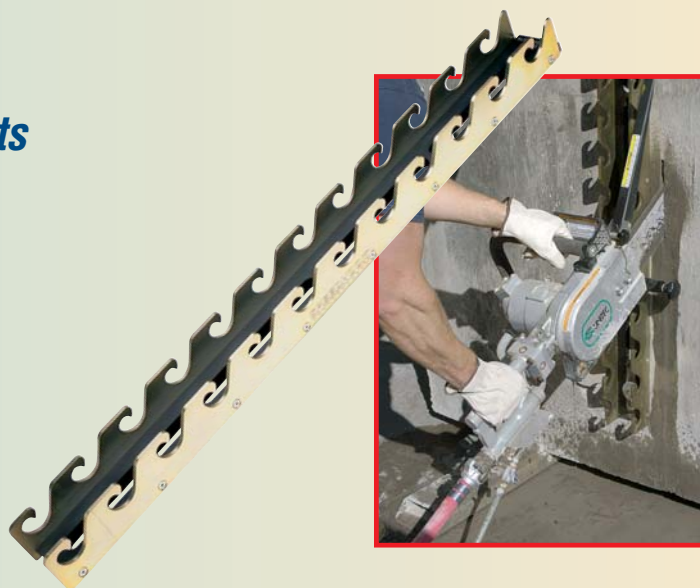
- 14" cutting capacity
- 13" depth of square cut
- Accommodates a 33 segment Diamond Chain

SpeedHook®

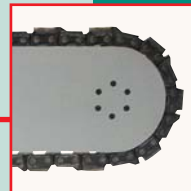
Guides the saw for straight cuts

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

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



Concrete Diamond Chain Life



Maximize Diamond Chain life with these hints

Estimated chain life for PremiumPRO – 33 segment chain (Part No. CS 74717-15) is approximately 600 in.-ft. in concrete with up to $\frac{5}{8}$ " rebar.

Lineal feet in common wall thickness*:

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

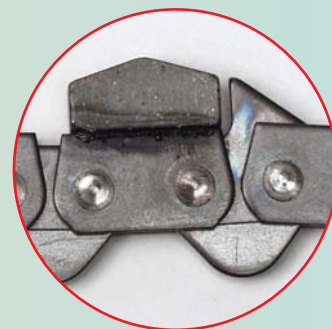
*The cutting life of the chains is not guaranteed. There are many variables from job to job, including hardness of concrete, which make it impossible to accurately predict chain life. *These numbers are rough, starting point estimates only, not for bidding purposes. Please refer to Operator's Manual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



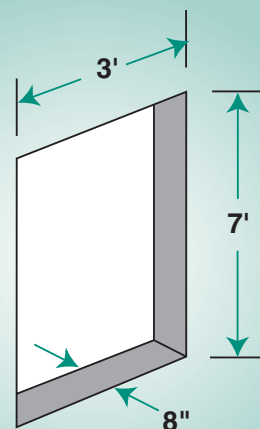
How to calculate inch-foot (in.-ft.)

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:

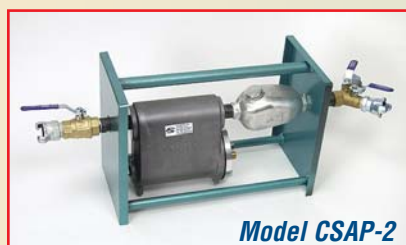
Calculate how many in.-ft. are in this doorway.

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

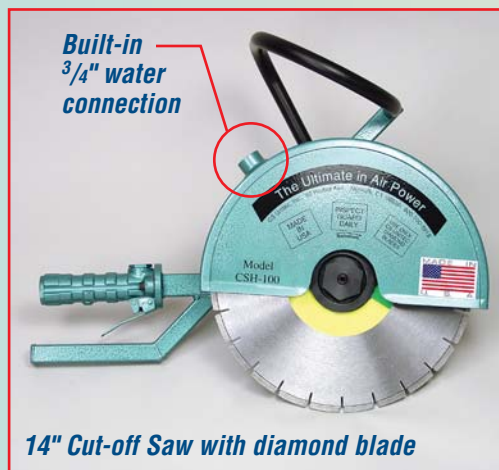


Model CSAP-2

- 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.

9" Cut-off Saw with Dust Extraction



- Quick, precise cutting of concrete, masonry, block, brick, stone and more
- Adjustable cutting depth of 0" to 2 1/2"
- Accepts Diamond saw blades up to 9"



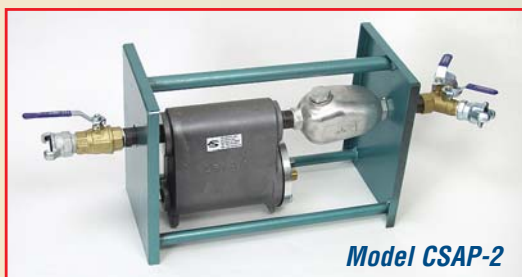
*Optional carrying case
Order No.
492.058*

- Higher visibility for increased worker output and accuracy
- Dust extraction with CS 1225 vacuum makes for cleaner working conditions
- Dust exhaust guard rotates for upcut or downcut

Model A20/4

Power (110 Volt or 220 Volt)	15 Amp
RPM (No Load)	4500
Depth of Cut	0-2 1/2" max.
Max. Blade Capacity	9"
Arbor	7/8"
Weight	15 lbs.
Saw with 9" Diamond Blade	Order Model A20/4D
Diamond Blade (9" x .095")	Order No. 255.753

AirPac Extends life of pneumatic power tools



Model CSAP-2

- Removes 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

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

- Includes automatic 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	Case (4 bottles)
Order No. CS 7043-001	Order No. CS 7043-002

ProLube-ATL/AF

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

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

Portable Pneumatic Jig Saw



Cuts quickly and easily

****Blade Connection:**
Bayonet or universal mount



Model 5 6004 0020

- 1 HP motor, 1" blade stroke
- Cuts nonferrous metals up to $\frac{3}{4}$ ", steel plate up to $\frac{1}{4}$ " and wood and plastic up to $2\frac{3}{8}$ "
- Orbital stroke settings
- Dust extraction port for vacuum attachment
- Adjustable shoe for miter cuts up to 45°
- 22 CFM at 90 PSI, air connection $\frac{1}{4}$ " NPT



Strokes per minute: 0-3000 • Weight: 6 lbs. • Length: 11" • Standard equipment: carrying case, hex head wrench and assorted blades

High film strength – stays on for the cut!



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

ProLube Solid

CS 7020-013

1.6 oz. push tube

CS 7020-000

14.5 oz. push tube



ProLube Paste

CS 7030-712

12 oz. tub



ProLube Liquid

Water soluble 16:1

CS 7010-504

1 gal. bottle



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.

Core Drill **Hand-Held, Dry** **Holes up to 3-1/4" Diameter**

CS Unitec's EHD 1300, a dry diamond drill for use in electrical and "clean" installation work, is the ideal tool to create installation holes in brick and block. This handy single-speed tool is capable of drilling accurate holes (e.g. switching and branching boxes) up to 3-1/4" diameter, even in hard materials such as sand-lime brick, brickwork and block.

The EHD 1300 operates smoothly to avoid damage to wall structures and is equipped with a mechanical slip clutch for user safety. Drill bits are easily changed without the need of a special tool. A dust exhaust attachment is available for connecting to a vacuum for dust-free drilling.

The EHD 1300 is furnished with a 5/8" x 11 UNC adapter and a metal carrying case. It is available as either a single unit or as a set which includes the drill and dust exhaust attachment. The dust exhaust can be connected directly to our professional dust extraction vacuum or to other heavy-duty industrial vacuums.



Model EHD 1300



Model EHD 1300

Power	12 AMP
Rated Voltage	110 Volt
Maximum Drilling Diameter	3-1/4"
Load Speed	2000 RPM
Collet	5/8" x 11 UNC and 1-1/4" x 7 UNC
Weight	7 lbs.
Centering Aid	Part No. 35830000

Note: Specifications subject to change. Refer to Owner's Manual for operating instructions.

CS UNITEC, Inc.

22 Harbor Avenue, Norwalk, CT 06850
Toll Free: (800) 700-5919 Tel: (203) 853-9522 Fax: (203) 853-9921
Website: www.csunitec.com E-Mail: info@csunitec.com

Core Drill

2-Speed, Wet and Dry Hand-Held or Rig-Mounted Holes up to 4" Diameter

Model ETN 2000 P is a heavy-duty Wet and Dry Diamond Core Drill with high torque output. This unit offers the unique advantage of wet and dry core drilling with the same machine. Two-speed gearbox provides optimum RPM for hole sizes up to 4" diameter. Electronic torque limitation and speed control guarantee constant RPM, even under load. Standard features include a slip clutch, thermal overload switch, built-in water swivel collar, GFCI and metal carrying case. 5/8" and 1-1/4" connecting threads are standard.



Model ETN 2000 P

2-Speed Hand-Held Core Drill

Model No. ETN 2000 P

Weight: 15 lbs.

Core Drill Rig with Anchor Stand

Model No. ETN 2000 PSA

Weight: 36 lbs.

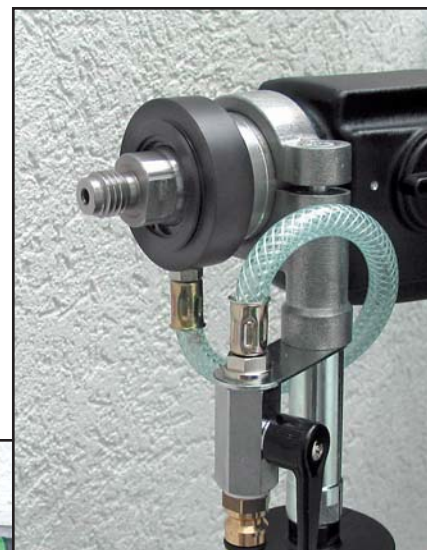
Core Drill Rig with Anchor Stand and Vacuum Pump

Model No. ETN 2000 PSV

Weight: 44 lbs.

Special Feature:

The water swivel collar is easily removed to replace the seals. This eliminates downtime and costly repairs.



Model ETN 2000 P
with Anchor Stand

Model ETN 2000 P

Power	15 AMP
Rated Voltage	110 Volt
Maximum Drilling Diameter	4"
Load Speeds	0-800 RPM 0-1570 RPM
Collet	5/8" x 11 UNC and 1-1/4" x 7 UNC
Weight	15 lbs.

Note: Specifications subject to change. Refer to Owner's Manual for operating instructions.

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Core Drill
3-speed Electric
Hand-Held or Rig-Mounted
Holes up to 6" Diameter
15 AMP Motor



*Rig-mounted
up to 6" dia.*



*Hand-held
up to 3" dia.*

Hand-Held Core Drill

Model No. END 130/3PO

Weight: 16 Lbs.

Core Drill Rig w/Anchor Stand

Model No. END 130/3POSA

Weight: 37 Lbs.

Core Drill Rig w/Anchor Stand and Vacuum Pump

Model No. END 130/3POSV

Weight: 53 Lbs

The Eibenstock END 130/3PO is ideal for drilling holes in floors, walls, ceilings and for all concrete anchoring systems. Fast and efficient drilling of reinforced concrete, concrete, brick, block and stone.

Model END 130/3P combines a strong all aluminum housing, compact size and powerful 15 AMP motor for high performance. Features include a 3-speed gearbox, built-in leveling bubble, safety slip clutch, water swivel, overload signal, GFCI and carrying case. Connecting threads of 5/8" UNC, 1-1/4" UNC and G1/2" are included.

Model END 130/3PO

Power	15 AMP
Rated Voltage	110 V
Maximum Drilling Dia.	6"
Load Speeds (RPM)	600-1300-2800
Connecting Threads	5/8" x 11 UNC, 1-1/4" x 7 UNC and G1/2"
Weight	16 lbs. (motor only)
Optional Centering Aid	Part No. 35846

Specifications subject to change.



Leveling Bubble

*Overload
Indicator Light*

CS UNITEC, Inc.

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Toll Free: (800) 700-5919 Tel: (203) 853-9522 Fax: (203) 853-9921

Website: www.csunitec.com E-Mail: info@csunitec.com

High-Speed Core Drill

3/8" to 1" Holes

50% Faster Than Hammer Drills

Using the new high-speed END 1521 PC drilling machine, you can drill holes 3/8" to 1" diameter in concrete and natural stone – 50% faster than with rotary hammers. The standard quick-change system makes the removal of the center core from the drill bit quick and easy.



The END 1521 PC offers the following advantages:

- Drilling without shock, dust and vibration
- Saves time versus rotary hammers when drilling in concrete or reinforced concrete
- Quick-change system allows fast removal of the center core
- Accurate drilling for anchors or rebar installation
- Includes centering aid and water collection

Drill Small Diameter Holes Fast, Without Hammering!

Accessories Included:

3 bits (1/2", 5/8" and 3/4" dia.)

5/8" x 11 UNC Adapter

Centering Aid with water collection guide rings

Carrying Case

Ideal for drilling holes in concrete for installing rebar, anchors, etc.

Diamond Core Bits

Order No.	Drilling Dia.	Drilling Depth	Overall Length
EN38600	3/8"	6"	8"
EN12600	1/2"	6"	8"
EN58600	5/8"	6"	8"
EN34120	3/4"	12"	14"
EN78120	7/8"	12"	14"
EN01120	1"	12"	14"

Model END 1521 PC

Power	13.6 AMP
Rated Voltage	110 Volt
Drilling Diameter	3/8" – 1"
Load Speed	6000 RPM
Bit Connection	Quick-Lock Connector and 5/8" x 11 UNC
Weight	8.5 lbs.

Note: Specifications subject to change. Refer to Owner's Manual for operating instructions.

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Model ETN 152/3 PSA
Core Drill with Combination
Vacuum / Anchor Angle Stand

**Holes Up To 6" Diameter
Easily Connects To A
Vacuum For Dust Collection**



Model ETN 152/3 P
Hand-Held Core Drill



Built-In Water
Supply / Dust
Extraction Port

Model ETN 152/ 3P is a versatile Wet or Dry Diamond Core Drill with a **Water Swivel and Dust Extraction Port** built directly into the spindle. It easily connects to a vacuum for dust extraction. The drill stand **Quick Change** mount allows the operator to switch from hand-held to stand mounted drilling quickly. The drill stand is adjustable up to 45°. Core drill includes drill bit connections 5/8" x 11 UNC and 1-1/4" x 7 UNC.

Specifications	ETN 152/ 3P
Power:	17 AMP / 110 Volt (1900 W)
Maximum Drilling Diameter:	6"
Load Speeds (RPM):	0-550, 0-1250, 0-2700
Connecting Thread:	1-1/4" x 7 UNC
Connecting Adapter:	5/8" x 11 UNC
Carrying Case Included:	YES
Weight (drill only):	15 lbs.
ETN 152/ 3PSA Anchor Rig	Includes Drill Stand. Wgt. 40 lbs.
ETN 152/ 3PSV Anchor & Vacuum Rig	Includes Drill Stand and Vacuum Pump No. 253.511. Wgt. 48 lbs.

CS UNITEC, Inc.

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Website: www.csunitec.com

E-Mail: Info@csunitec.com



Available with
ANCHOR STAND or
COMBO ANCHOR / VACUUM STAND

The Eibenstock EBM 250/2P combines a powerful 22 AMP motor with a rugged two-speed gearbox to drill holes up to 10" diameter. Ideal for heavy-duty wet diamond drilling in concrete, reinforced concrete, asphalt and natural stone. Lightweight and portable.

Features and Benefits:

- Internal oil pump lubricates the gearbox and shaft for longer life.
- Mechanical 2-speed gearbox for optimal drilling speeds: 360 and 850 RPM.
- Soft start and overload protection.
- Mechanical slip clutch protects in case of jamming.
- 43" tall drill stand with Quick Lock Motor Mount, positive locking knob and wheels.
- Hand-crank can be mounted on either side of the drill stand. The angle is adjustable up to 45 degrees.

Core Drill w/Anchor Stand

Model No. EBM 250/2PSA

Weight: 72 lbs.

Core Drill w/Combo Stand & Vacuum

Model No. EBM 250/2 PSV

Weight: 80 lbs.

Drill Specifications	EBM 250/2P
Power:	22 AMPS
Rated Voltage:	110 V
Maximum Drilling Diameter:	10"
Load Speeds (RPM):	360 850
Connecting Thread:	1-1/4" x 7 UNC
Weight (motor):	23 Lbs.

CS UNITEC, Inc.

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Website: www.csunitec.com

E-Mail: Info@csunitec.com

Most Powerful, Lightweight
Core Drill Rig InThe Industry

Powerful 18 AMP motor capable of drilling up to 6" holes in reinforced concrete, concrete, brick, block and stone.

- 6" Diameter Capacity
- 18 AMP, 4HP Motor
- Weighs Only 34 lbs.
- Single Speed 700 RPM
- Built-in Water Swivel
- Motor Overload Protection

Model DBE 160	
Power	18 AMP
Rated Voltage	110 Volt
Maximum Drilling Diameter	6"
No Load Speed	700 RPM
Connecting Threads	1-1/4" x 7 UNC
Weight	34 lbs.



Model DBE 160

CS UNITEC, Inc.

22 Harbor Avenue, Norwalk, CT 06850
Tel: (203) 853-9522, Toll Free: (800) 700-5919, Fax: (203) 853-9921
Website: www.csunitec.com E-Mail: Info@csunitec.com

Core Drill
3-speed Electric
Holes up to 14" Diameter
High-torque, 24.5 AMP Motor

EBM 350/3P Core Drill

The Eibenstock EBM 350/3P Core Drill combines a powerful 24.5 AMP motor with a rugged three-speed gearbox to drill holes up to 14" diameter. Ideal for heavy-duty drilling in concrete, reinforced concrete, asphalt and natural stone. No other drill in its class is so light and powerful.

Features and Benefits:

- Internal oil pump lubricates the gearbox and shaft for longer life
- High-torque 3-speed gearbox for optimal drilling speeds: 230-500-1030 RPM
- Soft start and overload protection
- Mechanical slip clutch protects in case of jamming
- 43" tall drill stand with Quick Lock Motor Mount, positive locking knob and wheels
- Hand-crank can be mounted on either side of the drill stand. The stand angle is adjustable up to 45 degrees

Core Drill w/Anchor Stand

Model No. EBM 350/3PSA

Weight: 79 lbs.

Core Drill w/Combo Stand & Vacuum Pump

Model No. EBM 350/3PSV

Weight: 95 lbs.



Available with

ANCHOR STAND
(shown above)

or

COMBO ANCHOR/VACUUM STAND

Model EBM 350/3P	
Power	24.5 AMP
Rated Voltage	110 V
Maximum Drilling Dia.	14"
Load Speeds (RPM)	230-500-1030
Connecting Threads	1-1/4" x 7 UNC, 5/8" x 11 UNC
Optional Adapter (5/8" UNC)	Part No. 35114000
Weight	28 lbs. (motor only)

Specifications subject to change.

CS UNITEC, Inc.

22 Harbor Avenue, Norwalk, CT 06850

Toll Free: (800) 700-5919 Tel: (203) 853-9522 Fax: (203) 853-9921

Website: www.csunitec.com E-Mail: Info@csunitec.com

6" Electric Core Drill 3-Speed, 17.6 AMP Motor Hand-held or Rig-mounted

Powerful Core Drilling Machine – fast and efficient for drilling reinforced concrete, concrete, brick, block and stone.

Ideal for drilling holes in floors, walls and ceilings and for all concrete anchoring systems. Drill motor weighs only 18 lbs. Rig with motor weighs only 49 lbs.

Drilling Capacity:

- Hand-held Drilling 1/2" – 3" dia.
 - Rig-mounted Drilling 1/2" – 6" dia.*
- *Do not use core bits larger than 6" diameter*
**Use gear 1 in a drill stand only.*

Model 2 1320 0010

Power	17.6 AMP
Rated Voltage	110 Volt
Drilling Diameter	Hand-held: 1/2" – 3"
	Rig-mounted: 1/2" – 6"
3 Speeds (RPM)	450, 1080, 2100
Bit Connection	1-1/4"x7 UNC, 5/8"x11 UNC, G 1/2"
Weight	Motor: 18 lbs.
	Motor and Rig: 49 lbs.

Standard Equipment:

- Safety Slip Clutch
- 3-Speed Mechanical Gear Box with heat-treated gears
- Built-in Water Swivel
- Double-insulated Motor
- In-line Ground Fault Interrupter
- Thermal Overload Switch
- 1-1/4" x 7 UNC Spindle
- 5/8" x 11 UNC Adapter
- 360° Rotatable Side Handle
- Centering Aid P/N 2 1315 6800
- Metal Carrying Case P/N 5 1212 9000

Optional Accessories:

- Water Collection Ring Kit P/N 255 037
- Anchor Stand P/N BST 162V
- Vacuum Pump, 110V P/N 253.511
- Portable Water Tank, 3.5 gallons P/N 251.623
- Unicore Wet Diamond Core Bits



**2 1320 0010 SA
Drill & Anchor Stand**

**2 1320 0010 SV
Drill, Stand & Vacuum Pump**



2 1320 0010 Drill

Note: Specifications subject to change. Refer to Owner's Manual for operating instructions.

CS UNITEC, Inc.

22 Harbor Avenue, Norwalk, CT 06850
Toll Free: (800) 700-5919 Tel: (203) 853-9522 Fax: (203) 853-9921
Website: www.csunitec.com E-Mail: info@csunitec.com

6" Air Core Drills 3-Speed, 2.1 or 3.8 HP Motor Hand-held or Rig-mounted

Ideal for drilling holes in walls, floors, ceilings, refractory brick and for all concrete anchoring systems. Two models, 2.1 or 3.8 HP.

Drilling Capacity:

- Hand-held Drilling 1/2" – 3" dia.
 - Rig-mounted Drilling 1/2" – 6" dia.*
- *Do not use core bits larger than 6" diameter
Use gear 1 in a drill stand only.*



**3-Speed Hand-held
Air Core Drill**

Model 2 1333 0010 – 2.1 HP (1.6 kW)

3 Speeds (RPM)	400, 900, 1600
Air Motor	2.1 HP (1.6 kW)
Air Consumption	77 CFM
Air Pressure	90 PSI
Air Connection	3/4" NPT
Bit Connection	1-1/4"x7 UNC, 5/8"x11 UNC, G 1/2"
Weight	18 lbs.

Drill & Anchor Stand – 2 1333 0010 SA (49 lbs.)

Drill, Stand & Vacuum Pump – 2 1333 0010 SV (51 lbs.)

Model 2 1335 0010 – 3.8 HP (2.8 kW)

3 Speeds (RPM)	300, 700, 1350
Air Motor	3.8 HP (2.8 kW)
Air Consumption	123 CFM
Air Pressure	90 PSI
Air Connection	3/4" NPT
Bit Connection	1-1/4"x7 UNC, 5/8"x11 UNC, G 1/2"
Weight	21 lbs.

Drill & Anchor Stand – 2 1335 0010 SA (52 lbs.)

Drill, Stand & Vacuum Pump – 2 1335 0010 SV (54 lbs.)



**Rig-mounted Air Drill
Only 52 lbs.**

(Hand crank can be mounted on either side)

Standard Equipment:

- Safety Slip Clutch
- 3-Speed Mechanical Gear Box with heat-treated gears
- Built-in Water Swivel
- 1-1/4" x 7 UNC Spindle
- 5/8" x 11 UNC Adapter
- 360° Rotatable Side Handle
- Centering Aid P/N 2 1315 6800

Optional Accessories:

- Metal Carrying Case P/N 5 1212 9000
- Anchor Stand P/N BST 162V
- Vacuum Pump, Pneumatic P/N 253.542
- Portable Water Tank, 3.5 gallons P/N 251.623
- Unicore Wet Diamond Core Bits

Note: Specifications subject to change. Refer to Owner's Manual for operating instructions.

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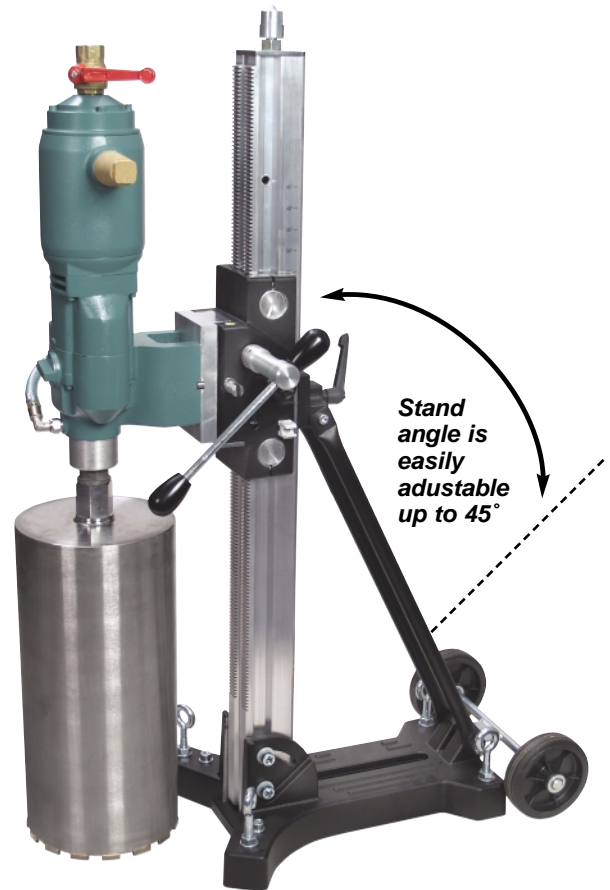
12" Air Core Drill 3-Speed, 3.8 HP Motor

Model 2 1328 0050 SA

The 2 1328 0050 Core Drill combines a powerful 3.8 HP motor with a rugged 3-speed gearbox to drill holes from 1/2" to 12" diameter. Ideal for heavy-duty drilling in concrete, reinforced concrete, asphalt, natural stone and refractory. No other drill in its class is so light and powerful.

Features and Benefits:

- High-torque 3-speed gearbox for optimal drilling speeds: 300-700-1350 RPM
- 1" to 12" bit capacity
- Heat-treated gears for long life
- Mechanical Slip Clutch protects in case of jamming
- 43" tall drill stand with Quick Lock Motor Mount, positive locking knob and wheels
- Hand-crank can be mounted on either side of the drill stand. The stand angle is adjustable up to 45°
- Built-in Water Swivel
- 1-1/4" x 7 UNC Spindle
- 5/8" x 11 UNC Adapter (optional)



**Rig-mounted Air Drill
with Anchor Stand
Only 66 lbs.**

Model 2 1328 0050 SA	
3 Speeds (RPM)	300, 700, 1350
Air Motor	3.8 HP (2.8 kW)
Air Consumption	123 CFM
Air Pressure	90 PSI
Air Connection	3/4" NPT
Bit Connection	1-1/4"x7 UNC, 5/8"x11 UNC*, G 1/2"
Weight	66 lbs. (includes motor and drill stand)

* **Optional**

Note: Specifications subject to change. Refer to Owner's Manual for operating instructions.

Core Drill with Anchor Stand

Model No. 2 1328 0050 SA

Weight: 66 lbs.

Core Drill with Combo Stand & Pneumatic Vacuum Pump

Model No. 2 1328 0050 SV

Weight: 72 lbs.



**Air Core Drill Motor
P/N 2 1328 0050**

CS UNITEC, Inc.

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Website: www.csunitec.com E-Mail: info@csunitec.com

6" Hydraulic Core Drill 3-Speed, 3.6 HP Motor Hand-held or Rig-mounted

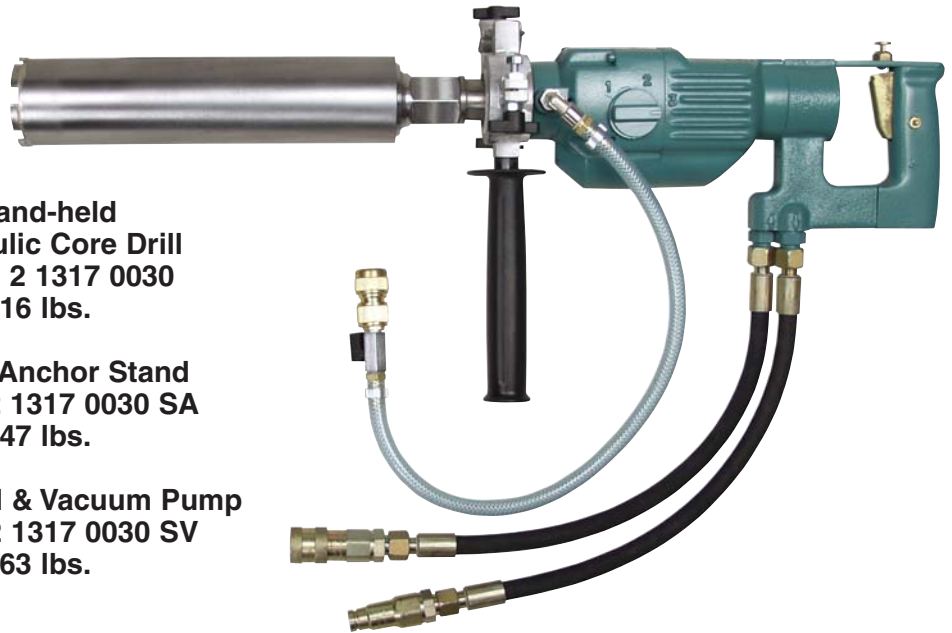
Model 2 1317 0030 is a heavy-duty hydraulic core drill. This wet diamond drill delivers outstanding performance in concrete, reinforced concrete, etc. The oil flow control is self regulating. The required volume is 6 GPM. Flow above 6 GPM, up to 13 GPM, is bypassed back to the tank. The drill features a 3-speed gear box, mechanical slip clutch, 360° rotatable side handle and centering aid.



**Hand-held
Hydraulic Core Drill
Model 2 1317 0030
16 lbs.**

**Drill & Anchor Stand
Model 2 1317 0030 SA
47 lbs.**

**Drill, Stand & Vacuum Pump
Model 2 1317 0030 SV
63 lbs.**



Model 2 1317 0030	
Power	3.6 HP (2.8 kW)
3 Speeds (RPM)	380, 900, 1800
Connecting Threads	1-1/4"x7 UNC Male
	5/8"x11 UNC Male
	G 1/2" Female
Weight	16 lbs.
Oil Pressure	2000 PSI
Oil Flow	6 GPM (22 LPM)
Flow Control Valve	Up to 13 GPM allowed
Hose Diameter	1/2" ID Hose with 3/8" FF (HTMA) Couplings

**Ideal for use with our
Model No. LPU-18 Power Unit for
portable hydraulic power tools**

Drilling Capacity:

- Hand-held Drilling 1/2" – 3" dia.
 - Rig-mounted Drilling 1/2" – 6" dia.*
- *Do not use core bits larger than 6" diameter
Use gear 1 in a drill stand only.

Standard Equipment:

- Heat-treated Gears
- Safety Friction Slip Clutch
- 360° Rotatable Handle
- Centering Aid P/N 2 1315 6800
- Metal Carrying Case P/N 5 1212 9000

Optional Accessories:

- Anchor/Vacuum Stand P/N BST 162V
- Vacuum Pump, 110 V P/N 253.511
- Portable Water Tank
3.5 gallons P/N 251.623
- Unicore Wet Diamond Core Bits

Note: Specifications subject to change. Refer to Owner's Manual for operating instructions.

CS UNITEC, Inc.

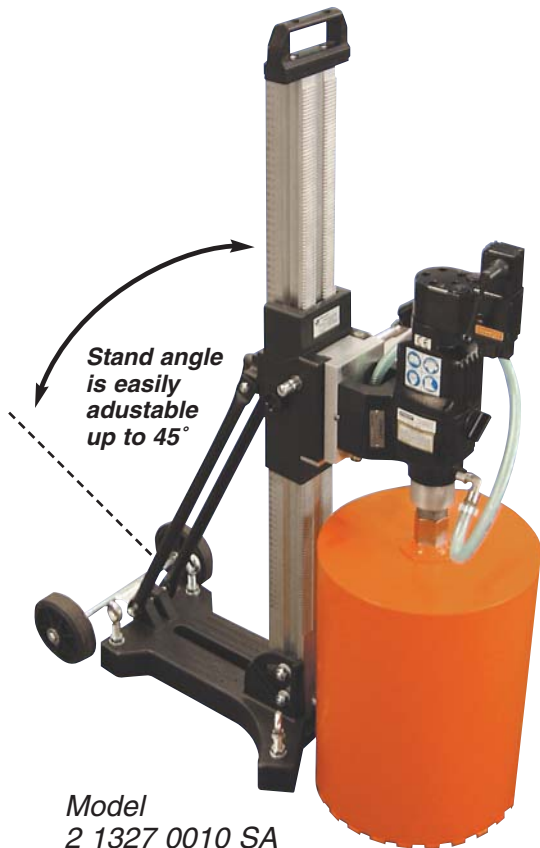
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Website: www.csunitec.com E-Mail: info@csunitec.com

12" Hydraulic Core Drill 3-Speed, 4.2 HP Motor

Hydraulic core drill rig with self-regulating oil flow control, ideal for heavy-duty core drilling

Model 2 1327 0010 SA

- Powerful 4.2 HP motor and heat-treated gears
- Drill holes up to 12" diameter
- Rugged 3-speed gearbox with mechanical slip clutch
- Ideal for heavy-duty wet drilling in concrete, reinforced concrete, asphalt and natural stone
- Self-regulating oil flow control – required volume of 6 GPM; flow up to 13 GPM is automatically bypassed back to the tank



Model
2 1327 0010 SA
shown with BST 300
anchor stand. Only 69 lbs.

Optional anchor/vacuum stand (P/N BST 300V) allows for drilling on some concrete floors without an anchor hole.

Accessories:

Anchor Stand – P/N BST 300
Vacuum Anchor Stand – P/N BST 300V
Vacuum Pump, 110 Volt – P/N 253.511
Portable Water Tank, 3.5 gallons – P/N 251.623
Unicore Wet Diamond Core Bits



Ideal for use with our Model No. LPU-18 Power Unit for portable hydraulic power tools

Model 2 1327 0010 SA	
Power	4.2 HP (3.1 kW)
3 Speeds (RPM)	380, 900, 1800
Connecting Threads	1-1/4" UNC Male / 1/2" Female (5/8"- 11 Optional)
Weight	69 lbs. (with anchor stand)
Oil Pressure	2000 PSI
Oil Flow with Control Valve	6 GPM (22 LPM), up to 13 GPM Allowed
Hose Diameter	1/2" ID Hose with 3/8" FF (HTMA) Couplings
Water Connection	3/4" Gardena System (included)
Drill Motor with Vacuum Stand	Order Model 2 1327 0010 SV (includes P/N 253.511)

Note: Specifications subject to change. Refer to Owner's Manual for operating instructions.

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CS UNITEC

Diamond Drill Stand

Combo Anchor/Vacuum Base

Includes Leveling Bubbles and Adjustable Column for Angle Drilling

Model No. 256.955E

Max. Drill Capacity: 6" Diameter
Weight: 21 lbs.
Length x Width of Base: 15-1/2" x 9"
Height of Stand: 30-1/2"
Motor Mount: 60 mm (for END 130/3P, 2 1320 0010, 2 1333 0010, 2 1335 0010, 2 1317 0030)

Optional Accessories:

Reducer Ring: 53 mm (for ETN 2000P and END 2000P)
Electric Vacuum Pump: 253.511
Water Collection Ring for use with Wet Vacuum: Up to 5-1/4"



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CS UNITEC

Core Drill Stands

CS Unitec Core Drill Stands are lightweight, yet robust. They cover a wide range of core drilling applications up to 14" diameter. Most drill stands are adjustable up to 45° for angle drilling. Stands are available as anchor base or with vacuum base to handle all types of applications. We offer a variety of mounting options including 53mm, 60mm, and mounting brackets with screws.

Optional Equipment:

Electric Vacuum Pump	253.511
Pneumatic Vacuum Pump	253.542
Portable Water Tank	251.623
Water Collection Kit (3/4"-6" dia.) BST 162 V	3587A
Water Collection Kit (3/4"-10" dia.) BST 300 and BST 300 V	35879
53 mm Motor Mount Adapter (reduces 60mm to 53 mm)	35820000

**BST 80/60
(Anchor)**



**BST 85 V
(Anchor/Vacuum)**



**BST 103/60 V
(Anchor/Vacuum)**



**BST 162 V
(Anchor/Vacuum)**



**BST 300
(Anchor)**



**BST 300 V
(Anchor/Vacuum)**



Specifications	BST 80/60	BST 85 V	BST 103/60 V	BST 162 V	BST 300	BST 300 V
Maximum Drilling Diameter	6"	4"	6"	6"	14"	14"
Height	33.5"	27"	30"	40"	40"	40"
Motor Mount	60mm *	53 mm	60mm *	60mm *	Universal with 4 screws	Universal with 4 screws
Drilling Angle	90° fixed	90°- 45°	90°- 45°	90°- 45°	90°- 45°	90°- 45°
Weight	16.5 lbs.	14.5 lbs.	21 lbs.	33 lbs.	41 lbs.	45 lbs.
Base Diameter L x W	9" x 6-3/4"	9-1/2" x 6-3/4"	15-1/2" x 9"	18-1/2" x 11"	17-3/4" x 13"	20-1/2" x 13"
Anchor or Vacuum Base	Anchor	Combination	Combination	Combination	Anchor	Combination

* Optional Adapter for 53 mm P/N35820000

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UNITEC

ELECTRIC • PNEUMATIC • HYDRAULIC



**Hole Cutting
Twist Drilling
Tapping
Reaming
Countersinking**



**Magnetic Drills
Annular Cutters
Hand-held Drills
Drive Units
Nut Runners
Hammer Drills
Beveling Machines**

UNITEC *Portable Drills & Accessories*

Fast, accurate hole cutting on the job site or in the shop!

CS Unitec's portable magnetic drills are ideal for drilling structural steel and virtually any metal. We offer the most compact and powerful series of portable magnetic drills for holes up to 5" diameter. All CS Unitec drills are heavy-duty for use in construction and industry. Our complete product line includes electric, pneumatic and hydraulic. They are available for prompt delivery.

CS Unitec is the industry leader in:

- **Power-to-weight ratios**
- **Strongest clamping force high-density (HD) dual-coil magnets**
- **Magnetic drills for tapping**
- **Annular Cutters: TiAlN, HSS, cobalt steel, & carbide-tipped**

We offer:

- **Variable-speed, multiple-gear models**
- **Electric, pneumatic and hydraulic power**
- **Reversible motors for tapping and machining**
- **Swivel base stand for hard-to-reach areas**

Special Features

The magnetic force of your magnet depends on a number of factors:

- **Thickness of material being drilled**
- **Coatings or paint layers on material**
- **Chips, dirt or grease between the magnet and the material**



**EXTRA
SAFETY**

**SENSORTEC
System**

The **SENSORTEC System** measures whether the magnet has sufficient adhesive force on the material. An LED indicator on the switch panel warns you of insufficient magnetic force (**Red Light**) or if the correct force is present (**Green Light**).



High-density (HD) dual-coil magnets are wound in two circles to increase the surface area and density of the magnetic field. The higher density increases the magnetic force by over 100% as compared to a single rectangular coil commonly used in electromagnetic drills.



**LONGER
SERVICE
LIFE**

**TEMPTEC
Magnet**

TEMPTEC Electromagnets ensure that the magnet does not overheat. When the magnet is switched on for long periods of time, the coils could overheat or even burn out. The TEMPTEC feature ensures that the power of the magnets is reduced when the drill motor is not active. Therefore, it won't build up heat.



Keyless arbor allows easy, no-tools changeover of Annular Cutters. No more searching for allen keys or set screws – just twist and lock. Included on ECO-50, ECO-80 and ECO-100 series drills.

ARMOR-PLATED™ TiAlN Cutters are ideal for all drilling applications. A high surface hardness and greater lubricity allow drilling at high operating temperatures with more power and speed.



Special Features



Many drills are offered with forward and reverse capabilities, allowing drilling and tapping with one unit.

High-torque motors are double insulated to increase operator safety.



Variable-speed dial on some models lets the operator adjust speed to match cutter diameter to correct RPM. This provides increased tool life and reduces cutter breakage.

Optional Power Assist provides delayed torque transfer, decreasing the load on both the cutter and machine. This allows the machine to maintain maximum RPM under full load. See page 21 for more information.



ATEX Approved

Some Pneumatic tools are ATEX Approved for use in hazardous and potentially explosive atmospheres.

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Warranty

Products of CS Unitech, 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 Unitech, Inc. or its Authorized Service Representatives.

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

CS Unitech, 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 Unitech, 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.

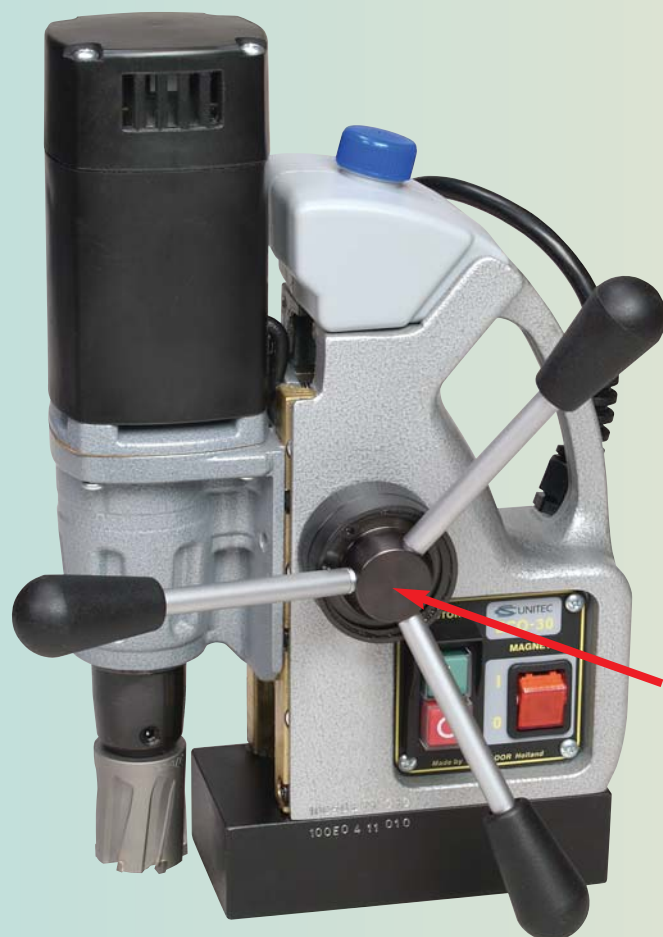


Cutter capacity
1 1/8" dia.

ECO-30/3P



Ultra-compact and lightweight with power assist



Model ECO-30/3P

- Compact height of 12 1/4"
- Lightweight at 22 lbs.
- Patented power-assist mechanism reduces feed pressure to help prevent motor burn-out and cutter breakage
- Strong 7.5 Amp double-insulated motor
- Powerful high-density dual-coil magnet has superior holding strength of 3300 lbs.
- Drills up to 1 1/8" diameter holes with Annular Cutters
- One-year warranty

Patented power-assist mechanism reduces load on motor and cutter. Standard with ECO-30/3P. See page 21.



**TEMPTEC
Magnet**

See page 2



Standard equipment includes auto lubrication, carrying case, chip guard, safety chain, carabin hook, gloves, safety glasses, ear protection and allen keys.



Cutter capacity
up to 1 1/8" dia.,
stroke: 2 3/4"

See pages 18-24 for
Annular Cutters and Accessories.

Model ECO-30/3P has an integrated auto-lubrication system.



Model ECO-30/3P

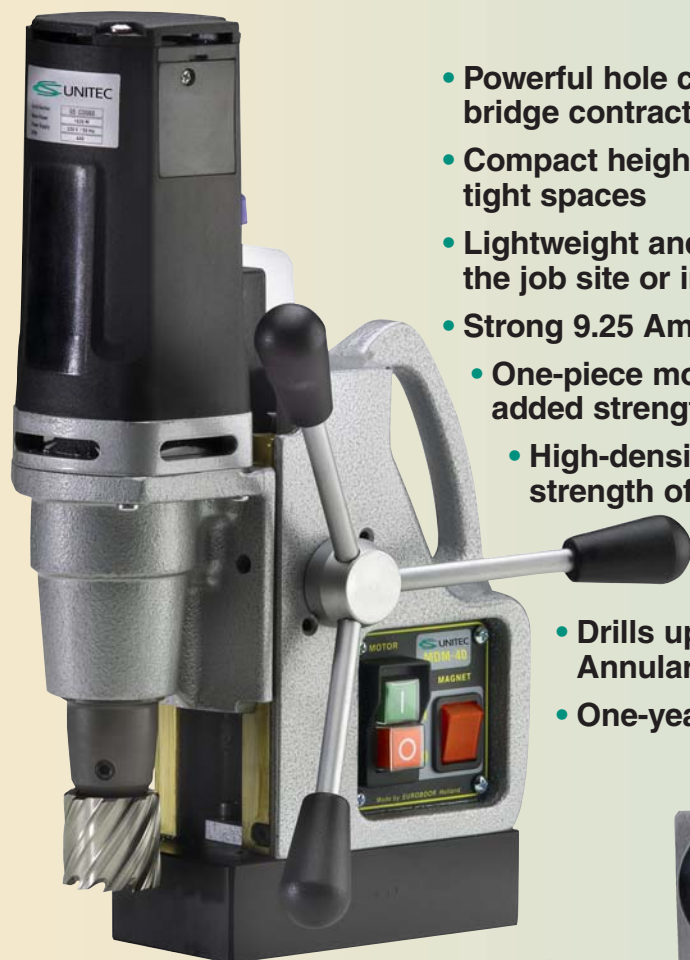
Motor Power	7.5 Amp / 110 Volt*
Weight	22 lbs.
Hole Capacity	1 1/8"
Speed	450 RPM
Magnet Base Size	6 3/8" L x 3 1/4" W
Dimensions	12 1/4" H x 9 3/8" L x 6 3/8" W
Magnetic Force (1" Plate)	3300 lbs.
Arbor Bore	3/4"
Automatic Lubrication	Included

* 220 Volt / 50 Hz also available



*Cutter capacity
1 1/2" dia.*

Heavy-duty compact hole drilling machine



Model MDM-40

- Powerful hole cutting machine for steel fabricators, bridge contractors and plant maintenance
- Compact height of 13" allows drilling in tight spaces
- Lightweight and portable at only 24 lbs. for use on the job site or in the shop
- Strong 9.25 Amp double-insulated motor
- One-piece motor mount and arbor support for added strength and stability
- High-density dual-coil magnet has holding strength of 2640 lbs.
- Drills up to 1 1/2" diameter holes with Annular Cutters
- One-year warranty



All CS Unitec high-density dual-coil magnets are ground, not cast, and are wound into two circles to increase the surface area and density of the magnetic field.



Standard equipment includes auto lubrication, carrying case, safety strap, carabin hook, gloves, safety glasses, ear protection and allen keys.



*Cutter capacity
up to 1 1/2" dia.
stroke: 4 3/8"*

*See pages 18-24 for
Annular Cutters and Accessories.*

Model MDM-40

Motor Power	9.25 Amp / 110 Volt
Weight	24 lbs.
Hole Capacity	1 1/2" dia.
No Load Speed	440 RPM
Magnet Base Size	6 1/2" L x 3 1/4" W
Dimensions	13" H x 9 1/2" L x 7" W
Magnetic Force (1" plate)	2640 lbs.
Arbor Bore	3/4"
Automatic Lubrication	Included

** 220 Volt / 50 Hz also available*



Cutter capacity
1 1/4" dia.

ECO-32 and ECO-32AK



Best power-to-weight performance in the industry



Model ECO-32



Standard equipment includes carrying case, safety chain, carabin hook and allen keys.

Includes
one-year
warranty



Cutter capacity
up to 1 1/4" dia.,
stroke: 5 3/4"

Twist drill capacity
up to 1/2" dia.,
stroke: 7 1/2"

See pages 18-24 for
Annular Cutters and Accessories.

- Lightweight and portable at only 24 lbs.
- Compact height of 14 1/4" for drilling in tight spaces
- Strong 8.2 Amp double-insulated motor
- High-density dual-coil magnet has holding strength of 3080 lbs.
- Drills up to 1 1/4" diameter holes with Annular Cutters; up to 1/2" with twist drills
- Optional Power Assist to maintain maximum RPM under full load
(Part No. 020.0330)
See page 21 for more information.

**TEMPTEC
Magnet**

**SENORTEC
System**

See page 2



With a 1/2" chuck (Part No. IBK-17), these models easily convert to standard drill presses with a 7 1/2" stroke for conventional twist drills.



Model ECO-32AK has an automatic cooling/lubrication system built into the arbor.

Model ECO-32 and ECO-32AK

Motor Power	8.2 Amp / 110 Volt*
Weight	24 lbs.
Hole Capacity	1 1/4" dia.
Twist Drill Capacity	1/2" dia.
Speed	450 RPM
Magnet Base Size	6 5/16" L x 3 1/4" W
Dimensions	14 1/4" H x 9 1/2" L x 4 3/8" W
Magnetic Force (1" plate)	3080 lbs.
Arbor Bore	3/4"
Manual Lubrication	Order Model ECO-32
Automatic Lubrication	Order Model ECO-32AK

* 220 Volt / 50 Hz also available ** Power Assist Part No. 020.0330

ECO-32T and ECO-32TAK



Cutter capacity
1 1/4" dia.

Reversible motor for drilling and tapping applications



Model ECO-32T

- Strong 9.5 Amp double-insulated reversible motor
- Stepless variable-speed control, 100-450 RPM
- Compact height of 14 1/4" allows drilling in tight spaces
- Lightweight and portable at only 24 lbs.
- Best power-to-weight ratio in the industry
- HD dual-coil magnet has holding strength of 3080 lbs.
- Drills up to 1 1/4" diameter holes with Annular Cutters and taps up to 3/4"
- Optional Power Assist to maintain maximum RPM under full load (**Part No. 020.0330**)

See page 21 for more information.



With a 1/2" chuck (**Part No. IBK-17**), these models easily convert to standard drill presses with a 7 1/2" stroke for conventional twist drills.



Standard equipment includes carrying case, tap collet set, safety chain, carabin hook and allen keys.



Tap collet set included

Includes
one-year
warranty



Model
ECO-32TAK
has an
automatic
cooling/
lubrication
system built
into the
arbor.



Cutter capacity
up to 1 1/4" dia.,
stroke: 5 3/4"

Twist drill capacity
up to 1/2" dia.,
stroke: 7 1/2"

Tapping capacity
up to 3/4" dia.

See pages 18-24 for
Annular Cutters and Accessories.

Model ECO-32T and ECO-32TAK

Motor Power	9.5 Amp / 110 Volt*
Weight	24 lbs.
Hole Capacity	1 1/4" dia.
Twist Drill Capacity	1/2" dia.
Tapping Capacity	3/16"-3/4" dia.
Speeds	100-450 RPM
Magnet Base Size	6 5/16" L x 3 1/4" W
Dimensions	14 1/4" H x 9 1/2" L x 4 3/8" W
Magnetic Force (1" plate)	3080 lbs.
Arbor Bore	3/4"
Manual Lubrication	Order Model ECO-32T
Automatic Lubrication	Order Model ECO-32TAK

* 220 Volt / 50 Hz also available ** Power Assist Part No. 020.0330



Cutter capacity
2" dia.

ECO-50 and ECO-50AK



Lightweight, two-speed high-performance drill



- Drills up to 2" diameter holes with Annular Cutters
- Lightweight and portable at 29 lbs.
- Strong 10.5 Amp motor and two-speed gearbox
- HD dual-coil magnet has holding strength of 3750 lbs.
- Easy "twist and lock" keyless arbor for cutters
- Compact height of 16½" allows drilling in small spaces
- With a ¾" chuck (Part No. IBK-22), these models easily convert to standard drill presses with a 5" stroke for up to 7/8" dia. twist drills
- Optional Power Assist to maintain maximum RPM under full load (**Part No. 020.0330**)

See page 21 for more information.

TEMPTEC
Magnet

SENORTEC
System

See page 2

Model ECO-50AK has an automatic cooling/lubrication system built into the arbor.



Model ECO-50 with keyless chuck cutter holder



Standard equipment includes Auto Chuck cutter holder, carrying case, safety chain, carabin hook and allen keys.

Includes one-year warranty



Cutter capacity up to 2" dia., stroke: 6"

Twist drill capacity up to 7/8" dia., stroke: 5"



With a ¾" chuck (Part No. IBK-22) or MT2, these models easily convert to standard drill presses with a 5" stroke for conventional twist drills.

Model ECO-50 and ECO-50AK

Motor Power	10.5 Amp / 110 Volt*
Weight	29 lbs.
Hole Capacity	2" dia.
Twist Drill Capacity	7/8" dia.
Speeds	Gear 1: 250, Gear 2: 450 RPM
Magnet Base Size	6½" L x 3½" W
Dimensions	16½" H x 9" L x 6¾" W
Magnetic Force (1" plate)	3750 lbs.
Arbor Bore	¾"
Manual Lubrication	Order Model ECO-50
Automatic Lubrication	Order Model ECO-50AK

* 220 Volt / 50 Hz also available ** Power Assist Part No. 020.0330

ECO-50T and ECO-50TAK



Cutter capacity
2" dia.

Reversible motor for drilling and tapping applications



**TEMPTEC
Magnet**

**SENORTEC
System**

See page 2

- Variable-speed control in two gears
- Ideal for drilling, tapping and countersinking
- Compact height of 16 $\frac{1}{2}$ "
- Lightweight and portable at 29 lbs.
- Strong 10.5 Amp reversible motor
- HD dual-coil magnet has holding strength of 3750 lbs.
- Easy "twist and lock" keyless arbor
- Drills up to 2" dia. holes with Annular Cutters
- Optional Power Assist to maintain maximum RPM under full load (*Part No. 020.0330*)

See page 21 for more information.



Model ECO-50TAK has an automatic cooling/lubrication system built into the arbor.



With a $\frac{3}{4}$ " chuck (*Part No. IBK-22*) or MT2, these models easily convert to standard drill presses with a 5" stroke for conventional twist drills.

Model ECO-50T with keyless chuck cutter holder



Standard equipment includes carrying case, tap collet set, safety chain, carabin hook, Auto Chuck cutter holder and allen keys.

**Includes
one-year
warranty**



Tap collet set included



*Optional quick-change tapping chuck with MT2 connection (*Model GSW.222*) has flexible collet to fit taps $\frac{5}{16}$ " to $\frac{5}{8}$ ".*



Model ECO-50T and ECO-50TAK

Motor Power	10.5 Amp / 110 Volt*
Weight	29 lbs.
Hole Capacity	2" dia.
Twist Drill Capacity	$\frac{7}{8}$ " dia.
Tapping Capacity	$\frac{3}{16}$ " - $\frac{15}{16}$ " dia.
Speeds	100-250 and 180-580 RPM
Magnet Base Size	7" L x 3 $\frac{1}{2}$ " W
Dimensions	16 $\frac{1}{2}$ " H x 9" L x 6 $\frac{3}{8}$ " W
Magnetic Force (1" plate)	3750 lbs.
Arbor Bore	$\frac{3}{4}$ "
Manual Lubrication	Order Model ECO-50T
Automatic Lubrication	Order Model ECO-50TAK

* 220 Volt / 50 Hz also available ** Power Assist Part No. 020.0330



Cutter capacity up to 2" dia.

Twist drill capacity up to $\frac{7}{8}$ " dia.

Tapping capacity up to $\frac{15}{16}$ " dia.

See pages 18-24 for Annular Cutters and Accessories.



Cutter capacity
3 ³/₁₆" dia.

ECO-80AK



Powerful high-torque motor with multiple speeds



Model ECO-80AK
with keyless chuck
cutter holder



Standard
equipment
includes Auto
Chuck cutter
holder, carrying
case, safety chain
and carabin hook.

Includes
one-year
warranty



Cutter capacity
up to 3 ³/₁₆" dia.,
stroke: 10"

Twist drill capacity
up to 1 ¹/₄" dia.,
stroke: 6 ¹/₂" w/chuck

- Robust, high-torque 15 Amp motor with four-speed gearbox (100 / 175 / 245 / 385 RPM)
- Multiple speeds match cutter diameter to correct RPM to provide increased tool life and reduced cutter breakage
- High-density dual-coil magnet has holding strength of 7040 lbs.
- Drills up to 3 ³/₁₆" diameter holes with annular cutters and 1 ¹/₄" with twist drills
- Keyless arbor for annular cutters
- Mechanical slip clutch disconnects the transmission in case of overload
- Automatic lubrication system
- MT3 output spindle has 11 ¹/₄" max. stroke
- Optional Power Assist to maintain maximum RPM under full load (*Part No. 020.0336*)

See page 21 for more information.



TEMPTEC
Magnet

SENSORTEC
System

See page 2



With a 3/4" chuck
(Part No. IBK-21)
or MT3, this model
easily converts
to a standard
drill press with a
stroke of 6 ¹/₂".

Model ECO-80AK

Motor Power	15 Amp / 110 Volt*
Weight	57 lbs.
Hole Capacity	3 ³ / ₁₆ " dia.
Twist Drill Capacity	1 ¹ / ₄ " dia.
Speeds	100 / 175 / 245 / 385 RPM (4 gears)
Magnet Base Size	9" L x 4 ³ / ₈ " W
Dimensions	19 ¹ / ₂ " H x 13 ³ / ₈ " L x 7 ¹ / ₂ " W
Magnetic Force (1" plate)	7040 lbs.
Arbor Bore	3/4" **
Automatic Lubrication	Included

* 220 Volt / 50 Hz also available ** 1 ¹/₄" also available

*** Power Assist Part No. 020.0336

See pages 18-24 for
Annular Cutters and Accessories.

ECO-100/3AK and ECO-100/3DAK



Cutter capacity
4" dia.

Powerful reversible motor for drilling and tapping



Model ECO-100/3AK
with keyless chuck
cutter holder



Standard equipment
includes Auto Chuck cutter
holder, carrying case,
safety chain, carabin hook
and allen keys.

Includes
one-year
warranty



Cutter capacity
up to 4" dia.
stroke: 10"

Twist drill capacity
up to 1 1/4" dia.
stroke: 6 1/2" w/chuck

Tapping capacity
up to 1 1/8" dia.

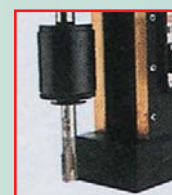
- Variable-speed, high-torque 16 Amp motor with 2 gears (40-140 and 120-480 RPM)
- Multiple speeds match cutter dia. to correct RPM to increase life
- Robust machine with 10" stroke is ideal for drilling structural steel
- High-density dual-coil magnet has holding strength of 6600 lbs.
- Drills up to 4" diameter holes with Annular Cutters
- Mechanical slip clutch disconnects the transmission in case of overload
- Variable torque control regulates power output
- Automatic lubrication system
- Optional arbor available for cutters with 1 1/4" Weldon shanks
- MT3 output spindle; 11 1/4" max. stroke
- Optional Power Assist to maintain maximum RPM under full load

(Part No. 020.0336)

See page 21 for more information.



Twist Drilling



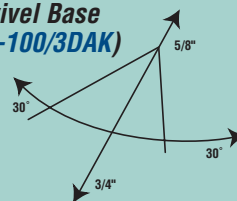
Tapping



Reaming



Optional Swivel Base
(Model ECO-100/3DAK)
provides
movement
through
30° and 3/4".



TEMPTEC
Magnet

SENSORTEC
System

See page 2

Model ECO-100/3AK and ECO-100/3DAK

Motor Power	16 Amp / 110 Volt*
Weight	57 lbs.
Hole Capacity	4" dia.
Twist Drill Capacity	1 1/4" dia.
Tapping Capacity	3/16"-1 1/8" dia.
Speeds	40-140 and 120-480 RPM
Magnet Base Size	9" L x 4" W
Dimensions	19 1/2" H x 13 3/8" L x 7 1/2" W
Magnetic Force (1" plate)	6600 lbs.
Arbor Bore	3/4" **
Automatic Lubrication	Included
Swivel Base	Order Model ECO-100/3DAK

* 220 Volt / 50 Hz also available ** 1 1/4" also available

*** Power Assist Part No. 020.0336

See pages 18-24 for
Annular Cutters and Accessories.



Cutter capacity
5" dia.

ECO-130AK



Triple arbor bearing guidance for drilling up to 5" dia.



Model ECO-130AK

- Strongest magnetic drill press in its class
- Variable-speed and two gears (40-140 and 120-480 RPM)
- Multiple speeds match cutter diameter to correct RPM
- 3 1/3" stroke with special triple arbor bearing guide
- Powerful, high-torque 16 Amp motor with reverse
- Variable torque control regulates power output
- HD dual-coil magnet has holding strength of 10,560 lbs.
- Drills up to 5" diameter holes with TCT Annular Cutters
- Mechanical slip clutch disconnects the transmission in case of overload
- Automatic lubrication system
- Optional Power Assist to maintain maximum RPM under full load
(Part No. 020.0336)

See page 21 for more information.



Automatic cooling/
lubrication system



Triple arbor bearing guide ensures stability for large-diameter hole drilling.

TEMPTEC
Magnet

SENSORTEC
System

See page 2

Ideal for use with
large-diameter
Tungsten
Carbide-
tipped (TCT)
cutters
(see page 20).



Standard equipment includes carrying case, safety chain, carabin hook and allen keys.

Includes
one-year
warranty



Optional 3/4" arbor adapter,
P/N IBK-32/19

Cutter capacity
up to 5" dia.

See pages 18-24 for
Annular Cutters and Accessories.

Model ECO-130AK

Motor Power	16 Amp / 110 Volt*
Weight	79 lbs.
Hole Capacity	5" dia.
Speeds	40-140 and 120-480 RPM
Magnet Base Size	9 1/2" L x 4 3/4" W
Dimensions	26 1/4" H x 13 3/8" L x 7 1/2" W
Magnetic Force (1" plate)	10,560 lbs.
Arbor Bore	1 1/4"***
Automatic Lubrication	Included

* 220 Volt / 50 Hz also available

** 3/4" also available, Part No. IBK-32/19

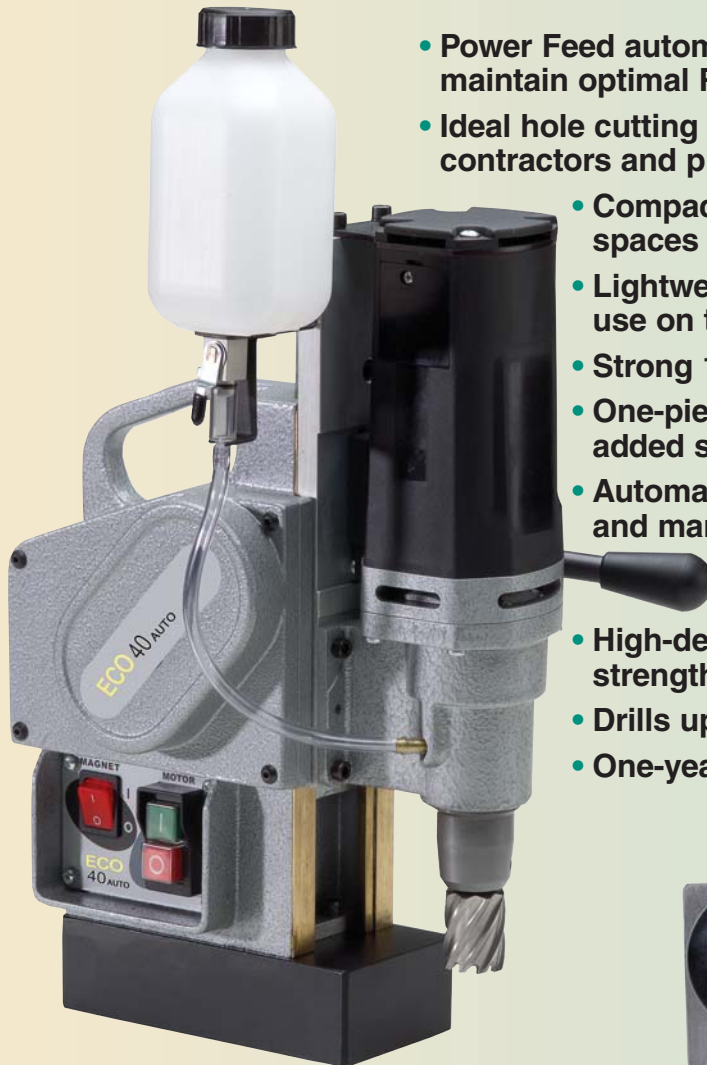
*** Power Assist Part No. 020.0336

ECO-40 Auto with Power Feed



Cutter capacity
1 1/2" dia.

Heavy-duty compact drill with automatic feed



Model ECO-40 Auto

- Power Feed automatically controls drill pressure to maintain optimal RPM and feed rate
- Ideal hole cutting machine for steel fabricators, contractors and plant maintenance professionals
- Compact height of 16 1/8" allows drilling in tight spaces
- Lightweight and portable at only 37 1/2 lbs. for use on the job site or in the shop
- Strong 10.5 Amp double-insulated motor
- One-piece motor mount and arbor support for added strength and stability
- Automatic feed mechanism with automatic stop and manual retraction
- High-density dual-coil magnet has holding strength of 2640 lbs.
- Drills up to 1 1/2" dia. holes with Annular Cutters
- One-year warranty



All CS Unitec high-density dual-coil magnets are ground, not cast, and are wound into two circles to increase the surface area and density of the magnetic field.

Standard equipment includes auto lubrication, carrying case, safety strap, carabin hook, gloves, safety glasses, ear protection and allen keys.

Includes one-year warranty



Cutter capacity up to 1 1/2" dia. stroke: 3"

See pages 18-24 for Annular Cutters and Accessories.

Model ECO-40 Auto

Motor Power	10.5 Amp / 110 Volt
Weight	37 1/2 lbs.
Hole Capacity	1 1/2" dia.
Speed	360 RPM
Magnet Base Size	7 1/16" L x 3 1/2" W
Dimensions	16 1/8" H x 12" L x 7 3/4" W
Magnetic Force (1" plate)	2640 lbs.
Arbor Bore	3/4"
Automatic Lubrication	Included



Cutter capacity
2 1/16" dia.

AIRBOR™ AB-4300-2 and AB-4300-2R

Pneumatic power for hazardous environments

ATEX Approved

Motor and magnet
are powered
completely by
compressed air



Model AB-4300-2

AIRBOR™ is inherently safer than electromagnetic drills in hazardous atmospheres and wet environments where electricity requires "hot work permits." ATEX approved.

- Industry's first completely air-operated magnetic drill – **NO ELECTRICITY!**
- Fail-safe permanent magnet is activated "on" and "off" by air pressure; in the event of a loss of air flow, the magnet *will not* disengage
- Magnet has a holding strength of 1600 lbs.
- Powerful 1.6 HP drill motor
- Lightweight and portable
- Long drill stroke – up to 10 1/4"
- Drills up to 2 1/16" dia. holes with Annular Cutters
- Pressurized coolant system lubricates cutter and reduces risk of sparking



With a geared chuck adapter (Part No. IBK-18) and extra rack (Model No. AB-4300-2R), AIRBOR™ easily converts to a standard drill press with a 7 1/2" stroke.

AB-4300-2R shown with extra rack up (left) and extra rack down (right).



Cutter capacity
up to 2 1/16" dia.

Twist drill capacity
up to 1/2" dia.

See pages 18-24
for Annular Cutters
and Accessories.

Model Comparison

AB-4300-2R

AB-4300-2

Drill Stroke

w/cutters	w/chuck	w/cutters	w/chuck
10 1/4"	7 1/2"	4 7/8"	1 3/4"

Height

closed	open	closed	open
13 1/2"	22"	13 1/2"	17 1/2"

Weight

lbs.	kg	lbs.	kg
43	20	38	18

Model AB-4300-2 and AB-4300-2R

Motor Power (Pneumatic)	1.6 HP
Hole Capacity	2 1/16" dia.
Twist Drill Capacity	1/2" dia.
No Load Speed	400 RPM
Air Consumption @ 90 PSI	64 CFM
Magnet Base Size	8 3/4" L x 3 1/2" W
Dimensions	13 1/2" H x 12 1/2" L x 4 3/4" W
Magnetic Force (1" plate)	1600 lbs.
Arbor Bore	3/4"
Automatic Lubrication	Included
Stroke Length: 4 7/8"	Order Model AB-4300-2
Stroke Length: 10 1/4"	Order Model AB-4300-2R

AirBor AB-4000 Magnetic Drill

**Air Drill Motor
and Fail-safe
Magnet**



Pneumatic power for hazardous environments – *No Electricity!*

The AirBor AB-4000 is inherently safer than electromagnetic drills in hazardous atmospheres and wet environments where electricity requires “hot permits” or special precautions. It is designed for use in petrochemical plants, offshore oil and gas facilities, mining, shipyard, marine and processing plants. The motor is air operated and the magnet is mechanical.

- **Fail-safe, mechanically operated permanent magnet** will not disengage with the loss of air supply, and the drill motor will not turn on without magnet engaged.
- **Magnet** has holding strength of 1430 lbs.
- **Lightweight and portable**, only 29 lbs.
- **2” cutter capacity**
- **Integrated coolant system** through the arbor lubricates cutter, reducing risk of sparks.
- Includes carrying case, allen keys, safety guard, oil bottle and cutting oil
- Optional 1/2” chuck, part no. IBK-18

Model AB-4000

Motor Power (Pneumatic)	.85 HP
Hole Capacity	2” diameter
Twist Drill Capacity	1/2” diameter
No Load Speed	400 RPM
Air Consumption @ 90 PSI	33 CFM
Magnet Base Size	19-3/4”H x 6-1/4”L x 12”W
Magnetic Force (1” Plate)	1430 lbs.
Arbor Bore	3/4”
Automatic Lubrication	Included
Stroke Length	4-3/4” (with cutter)
Optional 1/2” Chuck	Part No. IBK-18 (Stroke: 2-1/4”)
Weight	29 lbs.

Air Magnetic Drill AB-4000



*Note: Specifications subject to change.
Refer to Owner's Manual for
operating instructions.*

The AB-4000's fail-safe magnet will not disengage in situations where the air supply is lost. Additionally, the drill motor will not turn on without magnet engaged.

1. Magnet and drill motor off.
2. Magnet engaged.
3. Magnet engaged and drill motor on.

Note that while the motor is running, the magnet cannot be disengaged. When the cut is complete, stop the motor by moving the lever to the right.

CS UNITEC, Inc.

22 Harbor Avenue, Norwalk, CT 06850

Toll Free: (800) 700-5919 Tel: (203) 853-9522 Fax: (203) 853-9921

Website: www.csunitec.com E-Mail: info@csunitec.com

HB-4400

Hydraulic for marine and construction – works underwater



Cutter capacity
2 1/16" dia.



- Ideal for industrial, construction, marine and mining applications
- Hydraulic motor safe for underwater use
- Drill structural steel and other metals
- Stainless steel construction resists corrosion
- Manually operated permanent magnet with ratchet control has holding strength of 1300 lbs.
- Lightweight, rugged machine for cutting up to 2 1/16" diameter holes with Annular Cutters
- Easily converts to a standard drill press with a chuck for conventional twist drills up to 1/2" dia.
- Includes automatic lubrication



Standard equipment includes safety straps, allen keys and operating instructions.

With a 3/4" chuck (Part No. 602045A), this model easily converts to a standard drill press with a 3" stroke.



Cutter capacity
up to 2 1/16" dia.
stroke: 3 3/4"

Twist drill capacity
up to 1/2" dia.
stroke: 3"

See pages 18-24 for Annular Cutters and Accessories.

Model HB-4400

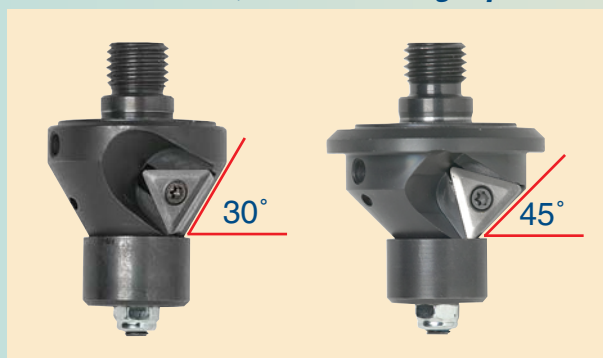
Motor Power (Hydraulic)	1.5 HP
Weight	48 1/2 lbs.
Hole Capacity	2 1/16" dia.
Twist Drill Capacity	1/2" dia.
No Load Speed, Variable	0-630 RPM
Hydraulic Supply	Flow 6.5 GPM @ 2000 PSI
Magnetic Force (1" plate)	1300 lbs.
Automatic Lubrication	Included

Multi-purpose Beveling Machine

Bevel, deburr & chamfer edges of steel plate faster and cleaner than angle grinders



One Machine, Three Milling Options



LKF1201 milling head 30° **LKF1202** milling head 45°



LKF1203 milling head
R2.5 radius
(only insert shown)

Accessories:

LKS20 - Sintered carbide cutting plate for LKF 1201 and LKF1202

LKS20-R - Sintered carbide cutting plate for LKF1203 (shown above)

Standard equipment includes milling head and 2 inserts, SW22 key, carrying case and user's manual.

Model No.	Beveling Angle	Bevel Width (Max.)*	Motor Power (Amps)	Voltage*	Cutting Speed (SFPM)	Dimensions (L x W x H)	Weight (lbs.)
LKF450-2A	30°	1/4"	10	110V	3000	12 ¹ / ₄ " x 5 ¹ / ₂ " x 11 ⁵ / ₈ "	10 ¹ / ₂
LKF450-2	45°	1/4"	10	110V	3000	12 ¹ / ₄ " x 5 ¹ / ₂ " x 11 ⁵ / ₈ "	10 ¹ / ₂

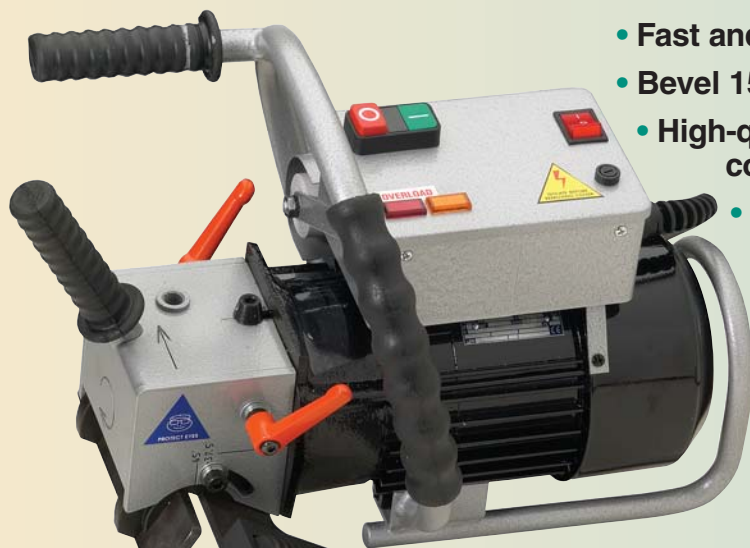
** All units available in 220 Volt / 50Hz † Max. bevel width may require several passes, depending on material hardness

- Bevel 30° or 45° weld seams on steel, stainless steel, nonferrous metals, brass and plastics
- Deburr and chamfer, straighten edges, internal and external radii and countersink holes from 7/8" dia.
- Fine adjustment feature for slight chamfers when deburring for the preparation of weld seams
- Three milling heads – 30°, 45° and radius R2.5 – are available
- Ideal for the following applications:
 - Moldmaking:** straighten edges, internal and external radii and countersink holes from 7/8" dia.
 - Boiler and process plant construction:** prepare weld seams on heat exchangers
 - Mechanical engineering:** deburr machine parts, chamfer edges to protect against paint peeling and create visible edges
 - Sheet metal:** deburr cut edges
- One-year warranty

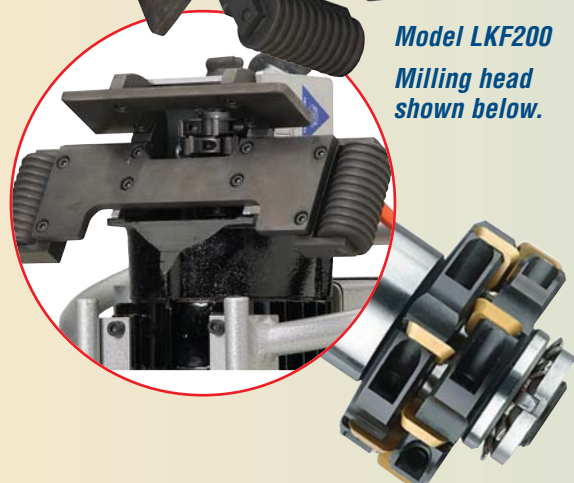


Portable Beveling Machine

Bevel angles from 15° to 60° on plate and pipes



*Model LKF200
Milling head
shown below.*



Standard equipment includes two milling heads, each with 6 sintered carbide reversible cutting inserts, tools for assembly, LKF 225 pipe roller guide (shown at left), steel carrying case and user's manual.

Accessories:

LKS10 - Sintered carbide cutting plates
(10 per pack)

- Fast and easy preparation of weld seams
- Bevel 15° to 60° angles on plate or pipe
- High-quality performance allows better weld connections
- Continuously adjustable angle (15° to 60°) and land width up to 5/8"
- Ideal for steel, stainless steel, aluminum and nonferrous metals
- Robust design, single operator control and easy handling
- Includes two milling heads and 12 total indexable inserts for fast metal removal and extended tool life
- Welding angles and weld preparation on pipes/tubes with a minimum OD of 6 1/4" (160mm) with included pipe roller guide
- Ideal for beveling pipe 6 1/4" OD and larger
- Designed for continuous operation
- Smooth roller guides
- One-year warranty



Ideal for beveling pipe 6 1/4" OD and larger.

Model No.	Adjustable Beveling Angle	Bevel Width (Max.)	Motor Power (Amps)	Voltage*	Rotation Speed (SFPM)	Dimensions (L x H)	Weight (lbs.)
LKF200	15° - 60°	5/8"†	14	110V	1800	16 1/2" x 13"	42

** Available in 220 Volt / 50Hz † Max. bevel width may require several passes, depending on material hardness

Unibroach® Annular Cutters

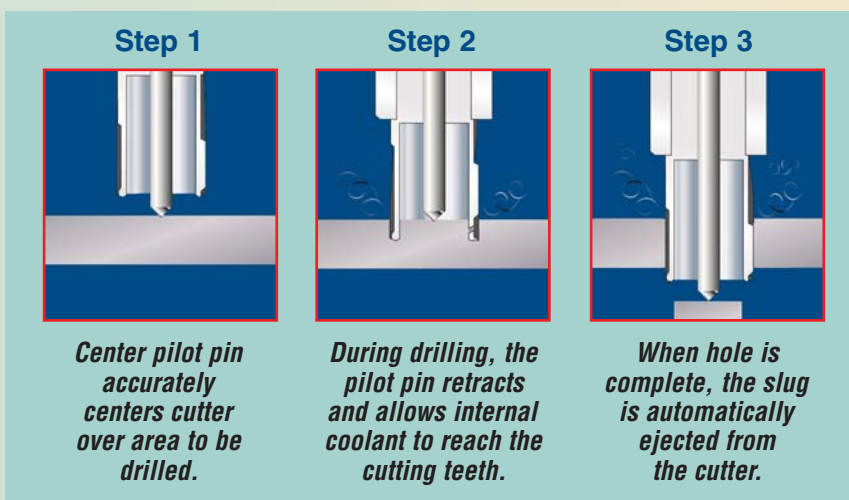
Faster and more accurate than twist drilling



Unibroach® cutters are made of hardened, high-speed tool steel and precision ground with up to 16 teeth for fast drilling

CS Unitec's Unibroach® Annular Cutters drill a burr-free finished hole by cutting only the material around the periphery of the hole. This forms a solid slug which automatically pops out.

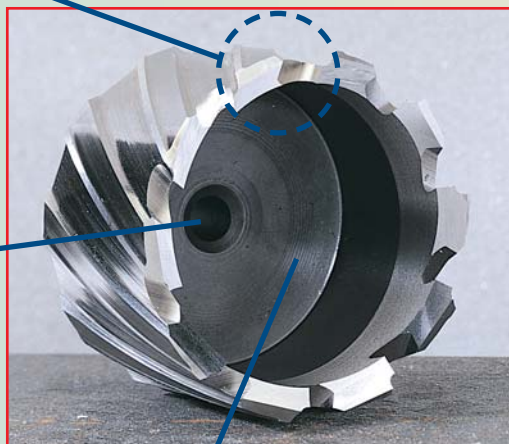
- Less time and energy are consumed per hole
- Faster feed rates are achieved with more cutting teeth and less tool wear
- Lighter, less powerful drilling equipment can be used
- Able to drill holes which are difficult or impossible to do accurately with conventional twist drill tooling – with no predrilling or stepdrilling required



Double-action tooth geometry cuts, splits and ejects chips more efficiently,

- increasing cutting speed
- reducing tooth load
- minimizing tool wear
- lengthening cutter life

Center hole for pilot pin accurately aligns the cutter, allows for internal lubrication and removes the slug.



Engineered with a tapered inner wall for smooth, easy slug ejection.

Perfect drilling to close tolerances without runout. The result: a burr-free finished hole.





Less Friction = Less Heat = More Holes!
Increase tool life and achieve faster feed rates

ARMOR-PLATED Unibroach™ Cutters – TiAlN

ARMOR-PLATED Unibroach™ Cutters, at 90Rc hardness, are the state-of-the-art in hole cutting technology. They multiply service life, reduce cost and increase productivity.



- 3 to 4 times longer tool life with TiAlN coating
- Drill with less friction and more power
- Withstands higher working temperatures – up to 1480°F (800°C)
- Dry drilling or lubricating with water simplifies working conditions and cleanup*
- Prevents cold weld – metal chips do not adhere to the cutter
- Ideal for structural steel and hard metal
- 3/4" dia. shank (1 1/4" dia. shank available)

* After the TiAlN coating is worn, lubricate with cutting oil



ARMOR-PLATED Unibroach™ cutters are available in the following sizes:

- 1" drill depth – Ø 7/16" to Ø 5"
- 2" drill depth – Ø 7/16" to Ø 5"
- 3" drill depth – Ø 3/4" to Ø 5"

- 3/4" shank is standard for cutters up to 3" dia.
- Metric cutters available on request
- See our price list for part numbers

Unibroach® High-Speed Steel (HSS) Cutters



Annular Cutters are the standard hole-making drills in the industry. Ideal for heavy-duty use on-site or in the shop, our HSS Unibroach™ cutters are available in the following sizes:

- 1" drill depth – Ø 7/16" to Ø 5"
- 2" drill depth – Ø 7/16" to Ø 5"
- 3" drill depth – Ø 3/4" to Ø 5"

- Metric cutters available on request
- See our price list for part numbers



3/4" dia. shank. Also available with 1 1/4" dia. shank.

* HSS Cutters must be used with lubricant.
 See page 21 for CS Unitec lubricants and cutting oil.

CNC-ground flutes run the length of the cutter for efficient chip clearance. This increases drilling productivity and decreases cutter breakage.

- CNC precision ground for fast penetration, accuracy and long life
- Drill holes 3 times faster than twist drills
- Produce reamed-quality burr-free holes and solid slugs
- Reduce machine size and weight
- Cutting edges are resharpenable
- Eliminate time-consuming, costly pilot holes and step drilling

Unibroach® Stack Cutters are available in diameters from 7/16" to 1 1/8" in 1", 2" and 3" depths. Drill multiple layers of steel without stopping to remove the center slug. Please contact us or consult our price list for more information.

Unibroach® Annular Cutters

High-speed drilling – on the job site or in the shop

Unibroach® Tungsten Carbide-tipped (TCT) Cutters



- Metric cutters available on request
- See our price list for part numbers

- Use high-speed RPM for best results and faster holmaking
- Ideal for drilling steel with rust or paint
- Will outlast High-speed Steel cutters
- Leaves a burr-free finished hole
- Available in all sizes (fractional and metric)
- $\frac{3}{4}$ " or $1\frac{1}{4}$ " shank

Available in the following sizes:

- 1" drill depth – $\phi \frac{5}{8}$ " to $\phi 2$ "
- 2" drill depth – $\phi \frac{11}{16}$ " to $\phi 5$ "
- 3" drill depth – $\phi \frac{13}{16}$ " to $\phi 2$ "

Unibroach® Cobalt Cutters



- Unibroach® Cobalt Cutters are made with 5% cobalt to increase resistance to wear
- Excellent results when drilling high-tensile steel and difficult-to-machine materials
- Available with TiAlN coating upon request
- Available for hole sizes up to 5" dia.

• $\frac{3}{4}$ " shank is standard for cutters up to 3" dia. • Metric cutters available on request • See our price list for part numbers



Unibroach® Large-diameter Hole Cutting

Drill perfect holes up to 5" diameter without runout

- Standard with $\frac{3}{4}$ " or $1\frac{1}{4}$ " shank diameters
- More cutting teeth to distribute the load evenly
- Increase tool life and achieve faster feed rates
- Use on milling machines, drill presses, CNC and other equipment
- A solid slug has a higher value for scrap metal
- Available in HSS, Cobalt, TCT and ARMOR-PLATED Unibroach™



Unibroach® Cutter Kits

Kits include one each: $\frac{9}{16}$ ", $\frac{11}{16}$ ", $\frac{13}{16}$ ", $\frac{15}{16}$ ", $1\frac{1}{16}$ " (for cutter depth of 1" or 2"), pilot pin and plastic case

Lubricants

Coolant extends the life of cutting tools!

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.

- Prolong tool life by reducing friction and wear
- Unique composition provides excellent adhesion to cutting tools for maximum lubrication
- Corrosion inhibitor
- Non-toxic



ProLube Liquid
Water soluble 16:1
CS 7010-504
1 gal. bottle

ProLube Paste
CS 7030-712
12 oz. tub

Cutting Oil



[Part No. IBO.20Q (quart);
IBO.20G (gallon)]

- High-alloy cutting oil for heavy removal of metal, including stainless steel
- Chlorine-free (MSDS on bottle)
- Not necessary to dilute with water

Upgrade your drill's cooling system: see page 23 for arbors with automatic cooling.



Power Assist

The Power Assist is a standard capstan, designed with delayed torque transfer. This decreases the load on both cutter and drilling machine, allowing the machine to maintain max. RPM under full load

- Reduces drilling time
- Prevents cutter breakage
- Extends lifespan of cutter/drill bit
- Extends life of machine



**Power Assist
Capstan**

- 030E.0048 – Included with ECO-30
- 020.0330 – Power Assist for ECO-32 and ECO-50 machines
- 020.0336 – Power Assist for ECO-80, ECO-100 and ECO-130 machines
- 020.0063 – Power Assist with wrench mechanism for ECO-32 and ECO-50 machines
- 020.0064 – Power Assist with wrench mechanism for ECO-80, ECO-100 and ECO-130 machines



**Power Assist
Wrench Mechanism**

Accessories



Pilot Pins for Cutters

- Milled channel efficiently supplies internal lubrication to cutting teeth
- Available for cutter diameters ranging from $\frac{7}{16}$ " to 5" and 1", 2", 3" and 4" depth of cut
- See price list for part numbers

Drill Chucks for Straight Shank Twist Drills

- Two capacities: $\frac{1}{2}$ " and $\frac{3}{4}$ "
- Four chucks and adapters to fit all magnetic drills:
 - A) **IBK-17** – $\frac{1}{2}$ " chuck for ECO-32 and ECO-32T
 - B) **IBK-18** – $\frac{1}{2}$ " chuck with $\frac{3}{4}$ " shank for AIRBOR™ and HB-4400 (fits all drills with $\frac{3}{4}$ " arbor bore)
 - C) **IBK-21** – $\frac{3}{4}$ " chuck with MT3 shank for ECO-80AK and ECO-100/3AK
 - D) **IBK-22** – $\frac{3}{4}$ " chuck with MT2 shank for ECO-50 and ECO-50T



Tapping Tools, Tap Collets and Tapping Chucks



- Manufactured from high-quality HSS to ASA Standard (or DIN 376 for metric)
- Ideal for CS Unitec's portable drilling and tapping machines and other drills

Tap collets fit magnetic drills with $\frac{3}{4}$ " arbor bore. They are available for taps $\frac{1}{4}$ " through $\frac{3}{4}$ ". They hold standard USA taps conforming to ASA.



*Model No. **GSW.222** quick-change tapping chuck with MT2 connection, complete with flexible collet to tap $\frac{5}{16}$ " to $\frac{5}{8}$ ". For use with ECO-50T magnetic drill.*



*Model No. **GSW.830** tapping chuck utilizes two variable clamp collets to tap $\frac{3}{8}$ " to $1\frac{1}{8}$ ". It is the least expensive system if you will tap more than 4 sizes. **GSW.830** has an MT3 connection. For use with ECO-100 magnetic drill.*

*Variable clamp collets for use in tap chuck No. **GSW.830***

*Model No. **VSP.160** variable clamp collet fits shanks $\frac{3}{8}$ " – $\frac{5}{8}$ ".*

*Model No. **VSP.230** variable clamp collet fits shanks $\frac{5}{8}$ " – $\frac{7}{8}$ ".*



Accessories

Arbors for Annular Cutters



Manual Cooling



Automatic Cooling



Extended Length



Keyless Arbor with Automatic Cooling

Keyless cutter arbors allow fast, no-tools changeover for $\frac{3}{4}$ " dia. shank annular cutters.

IMC.2Q – Morse Taper No. 2

IMC.3Q – Morse Taper No. 3

- Can be used on any magnetic drill stand, drill press or shop equipment with a Morse Taper intake of No. 2, No. 3 or No. 4
- Available for Annular Cutter shank sizes of $\frac{3}{4}$ " or $1\frac{1}{4}$ " Weldon
- Available for automatic internal cooling or manual cooling

MC.2 – Morse Taper No. 2
 $\frac{3}{4}$ " arbor bore
manual cooling

IMC.20 – Morse Taper No. 2
 $\frac{3}{4}$ " arbor bore
automatic cooling

MC.3 – Morse Taper No. 3
 $\frac{3}{4}$ " arbor bore
manual cooling

IMC.30 – Morse Taper No. 3
 $\frac{3}{4}$ " arbor bore
automatic cooling

MC.4 – Morse Taper No. 4
 $\frac{3}{4}$ " arbor bore
manual cooling

IMC.30/32 – Morse Taper No. 3
 $1\frac{1}{4}$ " arbor bore
automatic cooling

82° and 90° Countersinks

- Manufactured of HSS with 5% cobalt
- $\frac{3}{4}$ " Weldon shank

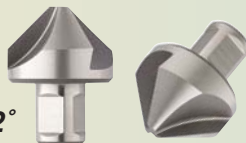
Countersink hole sizes:

SCE 20 from $\frac{3}{8}$ " to $1\frac{1}{2}$ " / 82°

SCE 30 from $\frac{5}{8}$ " to 2" / 82°

SCE 40 from $\frac{3}{8}$ " to $1\frac{1}{2}$ " / 90°

SCE 50 from $\frac{5}{8}$ " to $2\frac{1}{8}$ " / 90°



Twist Drills with $\frac{3}{4}$ " Weldon Shank

- Manufactured of high-speed steel
- Same $\frac{3}{4}$ " connection as Annular Cutters
- Bit diameters from $\frac{1}{4}$ " to $\frac{3}{8}$ "



Cooling System

The cooling system on all our drills has been upgraded for easier use. The coolant reservoir is quickly and easily attached to the magnetic drill via a new magnet system. The coolant flow is measurable and easily monitored through a clear cylinder.

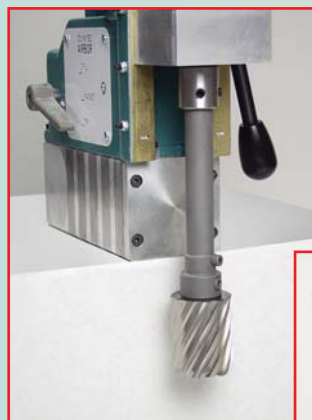
The hose connecting the reservoir to the spindle has also been upgraded. It is now equipped with a wear-resistant mechanical locking system that securely fastens the hose to the arbor.



Accessories

Extensions for Annular Cutters

Extra-long holders extend stroke of drills



*3/4" Weldon Shank
(2 Flats)*
6" length (p/n 7-9-906)
12" length (p/n 7-9-912)



- Extend cutter reach up to 12"
- Available for magnetic drills with 3/4" arbor bore or MT3
- Also available with 3 flats for straight shank drill chucks and R8 shanks for drill presses
- Drill difficult-to-reach areas
- Extend cutter reach over the side or through an existing hole*

3 Flats

* Hole diameter must be larger than 1 5/16" to accommodate width of extension



R8



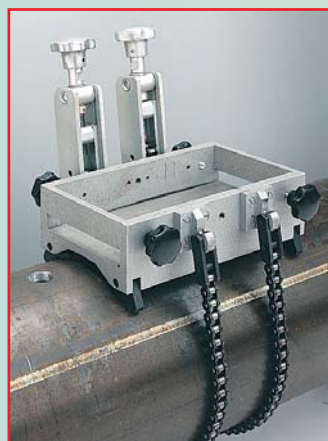
*3 Flats for Geared
Chucks x 3/4" arbor*



MT2 or MT3 x 3/4" arbor

Pipe Clamp Saddle System

Ensures safe, secure drilling of pipes and tubular material



*Ideal for a wide variety
of pneumatic, hydraulic
or electric drills*

- Quick clamping feature for fast setup on pipes up to 20" dia. and larger
- For use on steel, stainless steel and other materials
- Chain tensioner secures saddle to pipe in any position, while four independent steel feet automatically adjust to pipe contour
- Larger sizes available with optional extension chain*

	Model PAK-100	Model PAK-200
	For models ECO-30/3P, ECO-32, ECO-32T and MDM-40	For models AB-4300-2, ECO-50, ECO-80, ECO-100/3, ECO-40 AUTO and HB-4400
Pipe OD	3 1/4" to 10" dia.	6" to 20" dia.
Maximum Magnet Dimensions	6 5/8" L x 3 5/16" W	9" L x 4 3/8" W
Weight	14 lbs.	23 lbs.

* For larger pipe sizes, order 39" extension chain, Part No. **PAK-CHAIN**

Electric Drills and Drive Units

High-torque, multi-gearred and variable-speed motors



Model EHB 16/1.4 S



Model EHB 16/2.4 S
Model EHB 16/2.4 R/L
Model EHB 16/2.4 S/RL



Model EHB 20/2.4



Model EHB 32/4.2

Heavy-duty Drills for Industrial and Construction Applications:

- High-torque output
- Variable-speed, two- and four-gearred drills for optimum speed selection
- Reversible motors and electronic torque control on selected models
- Ideal for special applications including valve turning, tube rolling and other jobs
- Safety slip clutch on 1¹/₄" capacities to protect operator and tool
- Drilling capacities up to 1¹/₄" in steel
- Special OEM motors available on request
- One-year warranty



Model No.	Motor Power (Amps)	Voltage*	Load Speed (RPM)	Drilling Capacity in Steel	Torque Output (ft./lbs.)	Reversible	Chuck/Arbor	Weight (lbs.)
EHB 16/1.4 S	7.3	110V	0-500	5/8"	12	NO	5/8" Keyless	6.8
EHB 16/2.4 S	10	110V	0-430/0-760	5/8"	19	NO	5/8" Geared	7
EHB 16/2.4 R/L	10	110V	430/760	5/8"	19	YES	5/8" Geared	7
EHB 16/2.4 S/RL	10	110V	0-430/0-760	5/8"	19	YES	5/8" Geared	7
EAW 16/2 R/L	9	110V	900/1600	N/A	8	YES	5/8" X 16 UN	7
EHB 20/2.4	10.5	110V	250/450	3/4"	32	NO	MT2	9.2
EHB 32/4.2	15.5	110V	110/175/245/385	1 ¹ / ₄ "	112	NO	MT3	15.2

* All units available in 220 Volt / 50Hz Special Motors available upon request.

Slow-speed Electric Drills and Drive Units

Two-gear, variable-speed reversible motors



Model ETE 32/2.3 R/RL
(shown with optional
Square Drive adapter)

- High-torque, two-gear and variable-speed reversible motors
- Ideal for drilling, reaming and tapping steel
- Driving applications include mills, spindles, bar boring, pipe beveling and valve turning
- Perfect for tube rolling and expanding for fire tube and water tube boilers
- Mechanical safety clutch prevents operator injury or damage to the tool
- Morse Taper #3 arbor
- One-year warranty



Model EHB 32/2.2 R/RL
Model ETE 32/2.3 R/RL



Up to 1 1/4"
twist drill
capacity

1/2" and 3/4" Square Drive
accessories allow motor
compatibility for various
drive applications.*



Model No.	Motor Power (Amps)	Voltage**	Load Speed (RPM)	Drilling Cap. in Steel	Tube Rolling (max.)	Revers-ible	Torque Output (ft./lbs.)	Torque Control	Arbor	Weight (lbs.)
EHB 32/2.2 R/RL	16.3	110V	60-140 / 200-470	1 1/4"	2"	YES	92 max.	YES	MT3	14
ETE 32/2.3 R/RL	16.3	110V	30-75 / 90-230	N/A	3" ***	YES	174 max.	NO	MT3	15

** All units available in 220 Volt / 50Hz

*** With Expander (Up to 2 1/2" with Bead Roller)

* 1/2" Square Drive with MT3 – Part No. 830-1230-050

3/4" Square Drive with MT3 – Part No. 830-1230-075

High-torque reversible drilling and tapping machines

- High-torque reversible drilling, tapping and threading machines
- Ideal for drilling, reaming, tube rolling, tube expanding and tapping
- Use for special applications including mills, spindles, slides, controllers, pipe tapping, valve turning and more
- Drill chucks and Morse Taper arbors
- Hammer drills for drilling concrete with up to 2200 blows per minute
- Special OEM air motors available on request
- One-year warranty

Morse Taper Drills w/ Feed Spindle



Model
2 2089 0030
with reverse and
safety twist throttle

D-handle Drills



Model
2 1310 0010

Pneumatic Hammer Drills

Pneumatic Pistol Drills



Model 2 1266 0010



Model
2 1261 0010



See page 29
for Rotary
Hammer Drills

Model No.	Motor Power (HP)	Load Speed (RPM)	Revers-ible	Chuck/ Arbor	Drilling Cap. in Steel	Tube Rolling Cap.	Torque Output (ft./lbs)	CFM at 90 PSI	Length	Feed Length	Weight (lbs.)
Pistol Drills											
2 1261 0010	0.7	90-850	NO	1/2" Chuck	1/2"	N/A	7 max.	21	9 3/4"	N/A	4.6
Hammer Drills (for concrete and underwater applications)											
2 1266 0010	0.75	950	NO	1/2" Chuck	1/2"	N/A	7 max.	21	12"	N/A	6.7
D-handle Drills											
2 1310 0010	0.8	650	NO	1/2" Chuck	1/2"	N/A	8 max.	24	12 1/2"	N/A	12
2 1311 0010	0.8	650	NO	MT1	5/8"	N/A	8 max.	24	11"	N/A	12
Morse Taper Drills w/ Feed Spindle											
2 2089*	1.7	250	YES	MT3	1 1/4"	1"	36 max.	24	26 1/2"	1 5/8"	28
2 2506*	2.5	220	YES	MT3	1 1/4"	2"	63 max.	70	26 1/2"	2 1/2"	32
2 2502*	2.5	80	YES	MT4	2"	2 1/2"	173 max.	70	26 1/2"	2 1/2"	37

* The last four digits of the Model No. identify the type of throttle.

Please specify the four digits when ordering: 0010 for Lever Throttle or 0030 for Safety Twist Throttle.

Pneumatic and Hydraulic Corner Drills and Drives

High-torque drilling, reaming and driving units



Model 2 1801 0030

ATEX

Corner Drills and Bridge Reamers

- Small side-to-side distance for working in tight spaces
- Self-closing roll throttle
- Built-in oiler for motor
- Ideal for bridge reaming and drilling applications
- One-year warranty
- Visit www.csunitec.com for dimensions

Slow-speed, High-torque Straight Drive Units



Model
2 2087 0010
with reverse
and lever throttle

- Ideal for heavy-duty reaming, tube expanding and tapping
- Perfect for special driving applications, including pipe tapping and valve turning

Square Drive Accessories

2 2089 7020 – 7/8" Male Square Drive to 3/4" Male Square Drive
2 2089 7070 – 7/8" Male Square Drive to 1" Male Square Drive

Pneumatic Corner Drill Model No.	Morse Taper	Drilling (in steel)	Reaming (in steel)	Tube Rolling Cap.	Torque Output (ft./lbs.)	Load Speed (RPM)	Motor Power (HP)	CFM at 90 PSI	Length	Weight (lbs.)
Nonreversible										
2 1602 0030	#1	5/8"	1/2"	N/A	7	500	0.7	21	12.5"	7
2 1701 0030	#2	7/8"	5/8"	N/A	35	270	1.8	49	20.9"	19
2 1801 0030	#3	1 1/4"	1"	N/A	53	260	2.6	63	22.5"	25
Reversible										
2 2104 0030	#4	2 1/8"	2"	2"	86	180	3.0	71	23.8"	37

Model No. 2 1602 0030 has a 3/8" NPT air inlet. 1/2" (13mm) hose is recommended. All other models have 3/4" NPT air inlet. A 1/2" (13mm) hose is recommended for model 2 1701 0030. A 5/8" (15mm) hose is recommended for models 2 1801 0030 and 2 2104 0030.

Hydraulic Corner Drill Model No.	Morse Taper	Drilling (in steel)	Reaming (in steel)	Tube Rolling Cap.	Torque Output (ft./lbs.)	Load Speed (RPM)	Motor Power (HP)	Oil Flow/ PSI	Length	Weight (lbs.)
2 1806 0010	#3	1 1/4"	1"	N/A	60	220	3.8	4 GPM @2000	21"	25

Pneumatic Drive Unit Model No.	Square Drive ID	Torque Output (ft./lbs.)	Load Speed (RPM)	Reversible	Tube Rolling Cap.	Tapping Cap.	Motor Power (HP)	CFM at 90 PSI	Height x Length	Weight (lbs.)
2 2081*	13/16"	413	20	YES	3"	1 1/2"	1.35	53	10.9" x 26.5"	29
2 2087*†	7/8"	413	20	YES	3"	1 1/2"	1.35	53	10.9" x 26.5"	29
2 2088*†	7/8"	138	60	YES	2"	3/4"	1.35	53	10.9" x 26.5"	29

* The last four digits of the Model No. identify the type of throttle. † Square drive accessories available (see above).
Please specify the four digits when ordering: 0010 for Lever Throttle or 0030 for Safety Twist Throttle.

Pneumatic and Hydraulic Rotary Hammer Drills

Powerful percussion drilling for concrete and masonry

- Holes cost less with SDS drill bits
- Safety clutch protects against overloading and jamming
- Hammer drill holes in concrete, brick and masonry
- Rotary drilling mode for straight drilling of steel and wood



Air Model 2 2404 0010
SDS Plus up to 1" dia.

SDS Max – Modes of Operation

2" bit capacity for drilling concrete and masonry



Hammer with Rotation
Ideal for concrete drilling

Rotation Only
Ideal for drilling wood and steel

Air
Model 2 2414 0010
SDS Max

SDS Plus – Hammer and Drill

1" bit capacity for drilling concrete and masonry

Drill concrete anchor holes, thru holes, piping and mechanical openings and other construction and repair work. Switches to rotary drilling mode for steel and wood.



Hydraulic Model
2 2406 0010
SDS Plus

SAE #8
oil port



Hydraulic Model
2 2410 0010
SDS Max

Second handle
position

SAE #8 port for
hydraulic hose
connection

SDS Drill Bits and Chisels



Small Masonry Bits
SDS Plus up to 1" dia.



Large Masonry Bits
SDS Max up to 2" dia.



Auger Drill Bit
for wood



Chisel
for demolition

Pneumatic Hammer Drill Model No.	Blows/Minute (BPM)	Drill Speed (RPM)	Solid Bit Capacity (Concrete)	Core Bit Capacity (Concrete)	Twist Drill (wood)	Power at 90 PSI	Air Consumption at 90 PSI	Tool System	Dimensions (inches)	Weight (lbs.)
2 2404 0010	0-3000	0-625	1" dia.	3" dia.	3/4" dia.	0.7 HP	21 CFM	SDS Plus	16 x 8 1/2 x 4	11
2 2404 0030*	0-3000	0-625	1" dia.	3" dia.	3/4" dia.	0.7 HP	21 CFM	SDS Plus	16 x 8 1/2 x 4	11
2 2414 0010	0-2500	0-250	2" dia.	6" dia.	1 1/4" dia.	1.6 HP	53 CFM	SDS Max	19 1/2 x 9.8 x 4 1/2	26

* Underwater model – Optional underwater air tool line conditioner to displace moisture, Part No. MS 9105. See page 31.

Hydraulic Hammer Drill Model No.	Blows/Minute (BPM)	Drill Speed (RPM)	Solid Bit Capacity (Concrete)	Core Bit Capacity (Concrete)	Twist Drill (wood)	Power at 2000 PSI	Flow Range at 1450 PSI (GPM)	Tool System	Dimensions (inches)	Weight (lbs.)
2 2406 0010	0-3400	0-625	1" dia.	3" dia.	3/4" dia.	0.8 HP	5.8-13.2	SDS Plus	18 x 10 1/4 x 4	15
2 2410 0010	0-2500	0-250	2" dia.	6" dia.	1 1/4" dia.	1.8 HP	2.6-13.2	SDS Max	19 1/2 x 11 1/8 x 7 1/2	25

Hydraulic Hammer Drills operate at hydraulic pressures of 1,450 - 2,000 PSI

Pneumatic and Hydraulic Nut Runners

ATEX

Ideal for turning valves, tightening, tapping, reaming, pipe beveling, expanding and more



- Worm gear drive provides high torque – up to 554 ft.-lbs.
- Lightweight and reversible
- Compact angle head allows access to confined spaces
- Both Pneumatic and Hydraulic models available
- One-year warranty



Model
6 1015 0075

Model numbers pictured above (listed from top to bottom): 6 1015 0075 (with male drive), 6 1015 0010 (female), 6 1014 0075 (with male drive)



Square Drive Accessory

6 1015 7030

3/4" Male Square Drive (included with model numbers 6 1014 0075, 6 1015 0075 and 6 1016 0075)

6 1015 7020

1/2" Male Square Drive (included with model numbers 6 1014 0099, 6 1015 0099 and 6 1016 0099)

Available with Male or Female Square Drives, in a variety of sizes



Male Sq. Drive Head

1/2" or 3/4"



Female Sq. Drive Head

3/4" or 7/8"

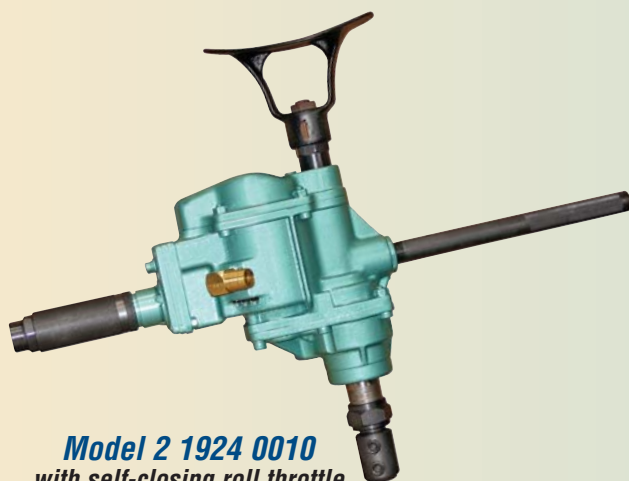
(7/8" pneumatic only)

Pneumatic Nut Runner Model No.	Square Drive F=Female M=Male	Stall Torque at 90 PSI (ft.-lbs.)	Free Speed (RPM)	Load Speed (RPM)	Power (HP)	CFM at 90 PSI	Side to Center Distance (inches)	Length (inches)	Weight (lbs.)	Air Conn- ection (inches)	Hose ID (inches)
6 1014 0010	3/4" F	100	180	100	0.9	42	1	16	10	NPT 3/8	1/2
6 1014 0075	3/4" M	100	180	100	0.9	42	1	16	11	NPT 3/8	1/2
6 1014 0099	1/2" M	100	180	100	0.9	42	1	16	11	NPT 3/8	1/2
6 1015 0010	3/4" F	423	44	22	0.9	45	1	21	10	NPT 3/8	1/2
6 1015 0075	3/4" M	423	44	22	0.9	45	1	21	10	NPT 3/8	1/2
6 1015 0099	1/2" M	423	44	22	0.9	45	1	21	10	NPT 3/8	1/2
6 1016 0010	3/4" F	141	120	67	0.9	42	1	21	10	NPT 3/8	1/2
6 1016 0075	3/4" M	141	120	67	0.9	42	1	21	11	NPT 3/8	1/2
6 1016 0099	1/2" M	141	120	67	0.9	42	1	21	11	NPT 3/8	1/2
6 1017 0010	3/4" F	60	260	125	0.9	46	1	21	11	NPT 3/8	1/2
6 1017 0075	3/4" M	60	260	125	0.9	46	1	21	11	NPT 3/8	1/2
6 1017 0099	1/2" M	60	260	125	0.9	46	1	21	11	NPT 3/8	1/2
6 1021 0010	7/8" F	423	44	22	0.9	45	1	21	11	NPT 3/8	1/2

Hydraulic Nut Runner Model No.	Square Drive F=Female M=Male	Stall Torque at 90 PSI (ft.-lbs.)	Free Speed (RPM)	Load Speed (RPM)	Power (HP)	Oil Flow (GPM)	Oil Pressure (GPM)	Side to Center Distance (inches)	Length (inches)	Weight (lbs.)	Conn- ection Quick Couplers
3 6242 0010	3/4" F	554	44	22	1.6	4 - 13	1000	1	20	22	1/2" FF
3 6242 0075	3/4" M	554	44	22	1.6	4 - 13	1000	1	20	22	1/2" FF
3 6242 0099	1/2" M	554	44	22	1.6	4 - 13	1000	1	20	22	1/2" FF

Woodboring Air Drills, Reversible

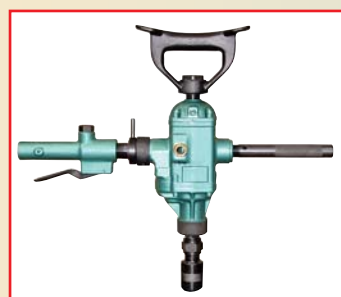
Heavy-duty power for underwater drilling and other wood boring applications



Model 2 1924 0010
with self-closing roll throttle
Up to 2" for boring wood

- Ideal for drilling wood in marine timbers, underwater use and railroad repair work
- Thrust bearing support for long life and efficient operation
- Lever throttle and durable spur gearing
- Breast plate and dead handle included
- Includes threaded exhaust port
- Use underwater with Air Tool Line Conditioner (shown below)

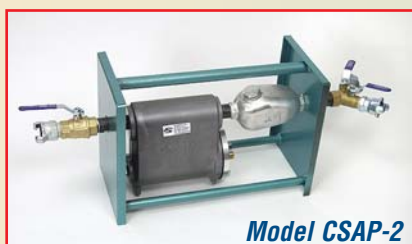
Accessories and woodboring drill bits from 1/2" dia. to 1 1/8" dia. in lengths from 12" to 36"



Model 2 1903 0010
with lever throttle
Up to 1" for boring wood

	Model 2 1903 0010	Model 2 1924 0010
<i>Capacity in wood</i>	1" Diameter	2" Diameter
<i>Reversible</i>	Yes	Yes
<i>Power</i>	2 HP	3 HP
<i>Chuck Style</i>	1/2" Woodboring	1 1/2" Woodboring
<i>Spindle</i>	Stub Taper	#2 Morse Taper
<i>Free Speed</i>	750 RPM	700 RPM
<i>Recommended Hose Size</i>	1/2"	1/2"
<i>Overall Height</i>	17 1/2"	18 1/2"
<i>Weight</i>	14 1/2 lbs.	24 3/4 lbs.
<i>Air Inlet Thread</i>	1/2" ID	1/2" ID
<i>Air Exhaust Thread</i>	1/2" NPT	1/2" NPT
<i>Air Consumption at 90 PSI</i>	39 CFM	50 CFM

AirPac Extends life of pneumatic power tools



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



Air Tool Line Conditioner

Underwater air tool conditioner for marine applications. Displaces moisture and inhibits rust/corrosion of air motors.

MS 9105 – 1 quart/liter

CS UNITEC

Wet/Dry Vacuum Cleaner

**Connect Electric Tools up to 15 AMPS
Can Be Used With or Without Filter Bags**



MODEL CS 1225

With Automatic Pulse Filter Cleaning System
and Outlet for Electric Power Tools

Specifications	
Power	11 Amps / 120 V
Max. Tool Rating	15 Amps
Air Flow	130 CFM
Water Lift	98 Inches
Filter Area	9.25 Sq. Ft.
Canister Capacity	6.6 gallon
Dust Volume Capacity	4.2 gallon
Weight	24.3 lbs.

Standard Equipment: 2 Filters (P/N 416069),
15' Hose, Tool Adapter and 25' Power Cord

Optional Accessories: Filter Bags (P/N 416014), and
Cleaning Kit (including wands, nozzles and hose P/N
072401).

- Electromagnetic Pulse Cleaning System maintains maximum airflow and suction with automatic filter vibration.
- "Power Take Off" outlet activates the vacuum ON/OFF from the power tool switch. Includes a 7 second shut-off delay to clean any dust in the hose.
- 4 Modes of operation: regular vacuum; power tool activation; auto-clean and auto-clean with power tool activation.
- 99.93% filtration efficiency of particles of 3.0 microns.
- Wet vacuuming capability with sensor for automatic shut off to protect motor and filters.
- Includes a 15' hose and 25' power cord for easy portability on jobsite.



**Electromagnetic Pulse Filter
Cleaning System** vibrates both
filters to remove dust. Cleaning
can be activated automatically
or manually. This maximizes
suction and doubles filter life.

CS UNITEC, Inc.

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Tel: (203) 853-9522, Toll Free: (800) 700-5919, Fax: (203) 853-9921

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E-Mail: Info@csunitec.com



Dust Extraction Vacuum Wet or Dry

Dust Extraction System for Power Tools Collects concrete dust, concrete slurry, job site debris and more

CS Unitec's CS 1500 wet/dry dust extraction vacuum provides a clean, dust-free environment. The "Power Take Off" outlet activates the vacuum ON/OFF from the power tool switch. The Electromagnetic Pulse Filter Cleaning System automatically cleans the filters to maximize air flow, dust collection and suction power. The CS 1500 has a large tank capacity of 13 gallons.

The versatile CS 1500 works in 4 ways:

- Without filter bag – dust goes directly into tank
- With plastic filter bag for concrete and masonry dust
- With paper filter bag for normal dust and soot
- With slurry filter bag to capture concrete slurry from wet drilling, sawing and grinding

Three Filter Bag Options: Plastic, Paper and Slurry



For more information on the CS 1500, please see reverse.



Industry's
1st Vacuum
To Use
Plastic Filter Bags

Model
CS 1500

Right: Back of CS
1500 with optional
Cleaning Kit



Left: Y Splitter
for two tools
(included with
CS 1500 K)



Right: Optional Vacuum
Accessories and Cleaning Kit

CS 1500 Dust Extraction System

Wet or dry, 13 gal. capacity with three 10-gallon plastic filter bags and guide handle

CS 1500	includes accessories for one tool
CS 1500 K	includes accessories for two tools

Optional Equipment

Plastic Filter Bags, 5-pack	421742
Paper Filter Bags, 5-pack	416021
Slurry Filter Bags, 3-pack	420592
Filter Cartridge, 2-pack	416069
HEPA Filter Cartridge, 2-pack	419190
Cleaning Kit (wands, hose, crevice tool, floor cleaning tool)	072401

Note: Specifications subject to change. Refer to Owner's Manual for operating instructions.

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***Versatile, Dependable Dust Extraction System for Power Tools.
Collects concrete dust, concrete slurry, job site debris and more.***

The CS 1500 Vacuum features:

Three Filter Bag Options; Four Ways to Use Vacuum



No Filter Bag – Dust goes directly into tank.

Plastic Filter Bag – Holds more than 20x the amount of concrete dust collected by paper filter bags. With a capacity of up to 10 gallons, plastic filter bags are ideal for fine concrete dust that would otherwise clog pores of paper bags. Tie strip closes bag to seal in dust for easy disposal. The special air guide maintains equal vacuum pressure inside and outside the bag to make it possible to use the plastic filter bags. With the largest capacity in the industry, plastic filter bags need fewer changes, saving you time and money.



Paper Filter Bag – For general debris collection, including normal dust and soot.



Slurry Filter Bag – Captures concrete slurry and allows the water to pass through the porous wall of the bag into the tank. This prevents the concrete from hardening in the tank. Slurry filter bags make for easy disposal of the concrete waste, preventing environmental pollution.

Electromagnetic Pulse Filter Cleaning System

Automatically shakes dust from dual-filter system to maintain maximum air flow and suction power. If airflow is restricted by dirty filters, the vacuum sensor automatically activates the cleaning mode when the power tool is turned off. Manual activation is also available.

Polyester Filters – Washable and Reusable

Save time and money – no need to carry spares. These filters are washable and reusable. Large surface area of 1,333 square inches. Standard filters (P/N 416069) capture 99.93% of all particles 0.3 microns and larger. Optional HEPA filters (P/N 419190) capture 99.9977% of all particles 0.3 microns and larger.

Built-in Power Take-Off Socket – up to 15 Amps

Automatically turns vacuum ON/OFF from the power tool switch. Accepts 15-amp tools. When the tool is turned off, the vacuum runs for 7 seconds to clear the hose.

Quiet Operation

Low noise level – only 69 dba.

High Mobility and Dependability

Large wheels, locking front casters, 26-ft. power cord and removable handle allow for easy maneuverability and transport.

No-Memory, Non-Static Heavy-Duty Hose

15' hose always maintains its shape – no kinking or knots.



Filters mounted parallel to motor to maximize tank space. Located above dust and water levels to maintain maximum air flow and suction.



Power take-off socket automatically turns vacuum ON/OFF via power tool.



No-memory, non-static hose always maintains its shape – never any kinks or knots.



Water Recycling System for Power Tools, Flood Reclamation, Pond/Pool Cleaning and Wet/Dry Vacuuming

Slurry and debris contained in filter bag – clean water passes into the tank for recycling

The CS 2000 water recycling vacuum is ideal for contractors who use diamond core drills, masonry saws, grinders and other wet-working tools. An integrated sump pump delivers water from the tank to the tool, then the vacuum suction brings the water back to the tank and into a porous filter bag. Slurry and debris are captured and the clean water flows back into the tank for delivery back to the tool. This system saves time and allows safe, easy disposal of the slurry.

The CS 2000 is 4 Tools in 1:

- **Portable water supply for power tools** – saves time with fewer interruptions for refilling water tanks. Keeps work site clean and traps slurry for easy waste disposal.
- **Flood vacuum cleaner** – picks up large volumes of water in a short time from flooded areas, including basements, and pumps it out of the location. Also ideal for draining water from pipes.
- **Pond and pool cleaning** – efficiently vacuums particles up to 3/8" dia., including algae, mud and foliage. The material is captured in the porous filter bag. The clear water can be pumped back into the pond/pool.
- **Universal wet/dry vacuum cleaner**



For more information on the CS 2000, please see reverse.

Left: Integrated sump pump can recycle or discharge water.

Right: Vacuum System includes vacuum hose, water recycling/discharge hose, slurry filter bags and owner's manual.



Model CS 2000 and attachments



CS 2000 Water Recycling/ Slurry Containment System

Power	17 Amp, 115 VAC/60Hz, 1-phase (includes 11 Amp Vac motor and 6 Amp sump pump)	
Water Capacity	7 gallons	
Pump Output	78 GPM at ground level 10.5 GPM at 10 ft. discharge height	
Water Lift	18 ft. max. discharge height	
Water Pressure	14.5 PSI (pump delivery)	
Air Flow	150 CFM	
Canister Volume	13 gallons	
Canister	Stainless steel tank with cart	
Dimensions	20.5" W x 21.6" L x 39.5" H	
Weight	59 lbs.	
Optional Equipment		
Slurry Filter Bags, 3-pack		420592
Paper Filter Bags, 5-pack		416021
Cleaning Kit (includes wands, hose, crevice tool and floor cleaning tool)		072401

CS UNITEC, Inc.

Note: Specifications subject to change. Refer to Owner's Manual for operating instructions.

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Water Recycling and Slurry Containment Vacuum

Versatile, Heavy-duty Water Recycling System for Power Tools and Other Applications.

Slurry and debris are captured in a porous filter bag – clean water flows into tank and can be cycled in a continuous loop or pumped out of the area.

The CS 2000 saves time and money, benefiting both the environment and your bottom line.

Work Faster

With both a portable water supply and a continuous loop system, you will conserve water and save time normally used for refilling portable pumps.

Work Cleaner

The slurry containment and vacuum system keeps the work area clean and dry – spend less time cleaning up. Ideal for indoor and outdoor applications such as hospitals, office buildings, factories, patios and more.

Work More Environmentally Friendly

Slurry is contained in a porous filter bag, allowing for safe, easy, proper waste disposal.



Stainless steel canister can either be tilted (above) or lifted out of cart (below).

Large wheels, locking front casters, 26-ft. power cord and removable handle allow for easy maneuverability and transport.



The CS 2000 vacuum features:

Integrated Submersible Sump Pump with Replaceable Filter Sleeve

Powerful, robust operation has a flow rate of 78 gallons per minute at level and a maximum water lift of 18 feet. Delivery is 10.5 GPM at 10 feet.



Secure, Reliable Connections

Power cable plug for sump pump and water recycling or discharge hose connection.



Heavy-duty Seals

Heavy-duty plugs seal vacuum for normal wet/dry cleaning and transport.



Two switches operate motor and pump independently.



Power socket for integrated sump pump.



Above: Water collection ring allows vacuum attachment.

When wet drilling, cutting or grinding, water can be continuously pumped to the work area, then vacuumed and filtered in the tank.

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Concrete Surface Preparation with Dust Collection Model EBS 125



- Remove paint, epoxy, glue and other hard coatings
- Smooth rough surfaces
- Clean concrete before applying new paint or coatings
- Collect dust for clean working area with CS 1225 dust extraction vacuum

The EBS 125 Concrete Grinder is held by two side handles. This ergonomic "H" design differs from traditional right angle grinders and allows the operator to finish larger surfaces with less fatigue. Additionally, the motor is set above the grinding wheel in a dust-free zone, resulting in longer tool life.

A brush shield protects against dust and enables adjustment of the working height to the wear of the diamond grinding wheel. Also, the EBS 125 has a removable front dust guard for finishing concrete floors into the corners and edges. This allows grinding right up to the wall (see below).



With optional walk-behind cart and vacuum

An optional walk-behind cart (P/N 37210, shown above) allows for comfortable operation of the EBS 125 Concrete Grinder. The perfect addition to virtually dust-free grinding when used with the CS 1225 vacuum (see left).

Model EBS 125 D includes one premium diamond wheel (P/N 253.115).



Removable front dust guard

Standard Equipment includes:
Spanner wrench, open-ended wrench and metal carrying case.

Accessories:

P/N 253.115

5" Diamond Grinding Wheel for paint, epoxy, thermoplastics, adhesives and hard coatings.

P/N 253.115 C

5" Diamond Grinding Wheel for finishing clear concrete, green concrete, mortar and masonry.

P/N 37210

Walk-behind cart.

Model EBS 125

Motor Power	14 AMP/110 Volt
Weight	9 lbs.
Load Speed	10,000 RPM

Note: Specifications subject to change. Refer to Owner's Manual for operating instructions.

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DUST EXTRACTION TOOLS CONCRETE GRINDERS, ANGLE GRINDERS AND VACUUM



LD 1509 FR 5" Concrete Grinder

Removes all kinds of coatings from concrete surfaces. Clean working conditions when used with an industrial vacuum. No rasping or jumping, perfect for spot jobs and edging. 11 AMP/10,000 RPM.

Wt.: 6 lbs Vacuum port: 1-1/4"

Model LD 1509 FRD includes (1) 5" Premium Diamond Grinding Wheel (part no. 253.115)

Standard Equipment:

Clamping Flange (191.612)

Hose Clip (252.050)

Accessories:

5" Diamond Grinding Wheel (253.115)

Carrying Case (252.185)



LD 3206 7" Concrete Grinder

Removes all kinds of coatings from concrete surfaces. Clean working conditions when used with an industrial vacuum. No rasping or jumping, ideal for spot repairs and concrete preparation work. 15 AMP/6,000 RPM.

Wt.: 11 lbs Vacuum port: 1-1/4"

Model LD 3206 D includes (1) 7" Premium Diamond Grinding Wheel (part no. 253.117)

Standard Equipment:

Spanner Wrench (100.110)

Side Handle (279.331)

Accessories:

7" Diamond Grinding Wheel (253.117)



L 1506 VV Angle Grinder

Extremely powerful Angle Grinder with variable speed. 11 AMP electronic motor. Clean working conditions when used with Unitec's CS 1225 Vacuum.

Motor: 11 AMP

Speed: 2,000-6,500 RPM

Weight: 4lbs.

Vacuum port: 1-1/4"

For Pneumatic Model, Specify: L 1506 VV-AIR

Standard Equipment:

Side Handle (194.034)

Accessories:

Carrying Case (252.185)



CS 1225 Industrial Vacuum with Automatic Filter Cleaning System

Dust extraction vacuum – includes "power take-off" outlet for electric tools. Electromagnetic Pulse Filter Cleaning System vibrates two filters to remove dust. Ideal for concrete and masonry applications.



Thermo-Jet Diamond Wheel with large holes for dust extraction

5" Thermo-Jet PN.253.115

7" Thermo-Jet PN.253.117

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Concrete Repair Tools with Dust Extraction



Wall Slotter with Vacuum Port For Cutting Concrete and Masonry Models M 1509 FR and M 1509 FRD

Ideal for cutting a channel for wires, cables, etc.
Cutting widths of 3/8"; 5/8" or 7/8".
Cutting depth up to 1-3/16".
Motor: 11 AMP; 10,000 RPM; Arbor 7/8"; Wgt: 8 lbs.
Vacuum Port: 1-1/8" dia.

Model M 1509 FRD includes:
(2) 5" Premium Diamond Blades (252.290)

Standard Equipment:

Holding Wrench (100.110)
Open-end Wrench (100.102)
Web Remover (slot chisel) (229.253)
Set of Clamping Washers (251.479)
(3) Cable Clips (252.188)
4mm Hex Key (211.494)
Metal Carrying Case (256.464)

Accessories:

Premium Diamond Blade (252.290)
5" x .080" x 7/8" (2 Required)



Joint Cutter with Vacuum Port For Tuck Pointing Jobs Models F 1509 FR and F 1509 FRD

Removes brittle mortar from long and generally horizontal brick joints for rapid restoration of old brick buildings. Clear view of joints.
Adjustable cutting depth to 1".
Motor: 11 AMP; 10,000 RPM; Arbor: 7/8"; Wgt: 7.5 lbs.
Vacuum Port: 1-1/8" dia.

Model F 1509 FRD includes:
(1) 5" Premium Diamond Blades (252.290).

Standard Equipment:

Holding Wrench (100.110)
Open-end Wrench (106.461)
4mm Hex Key (211.494)
(3) Cable Clips (252.188)
Metal Carrying Case (256.464)

Accessories:

Premium Diamond Blade (252.290) 5" x .080" x 7/8"
Premium Diamond Blade (252.291) 5" x .250" x 7/8"



Dust Extraction System for Power Tools CS 1225 Wet/Dry Vacuum Cleaner With Automatic Filter Cleaning System

High vacuuming power (130 CFM) provides a clean, dust-free environment for the operator. "Power Take Off" outlet activates vacuum ON/OFF from the power tool switch. Electromagnetic Pulse Filter Cleaning System vibrates two filters to remove dust. Cleaning can be activated automatically or manually. Includes 2 filters (416069), 15' Hose, Tool Adapter and 25' Power Cord.

*Note: Specifications subject to change.
Refer to Owner's Manual for operating instructions.*

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5" Pneumatic Angle Grinder

Powerful 5" Pneumatic Angle Grinder For Use In Shipyards, Metal Fabrication, Foundries, Refineries and Power Plants



This lightweight, versatile angle grinder is ideal for grinding, cleaning, deburring, blending and smoothing.

Heavy-duty pneumatic motor and gearhead stand up to continuous use requiring less downtime than electric grinders.

The L 1109 Air Grinder features the **Quick Lock Spindle** requiring only one wrench for quick and easy wheel change.

Specifications

Model	L 1109 Air
Max. Disc Diam.	5"
Power	1 HP
Speed	6500 RPM
Air Pressure	90 PSI
Air Consumption	22 CFM
Air Connection	1/4"
Spindle Tread	5/8" x 11
Length	11"
Weight	4.25 lbs.

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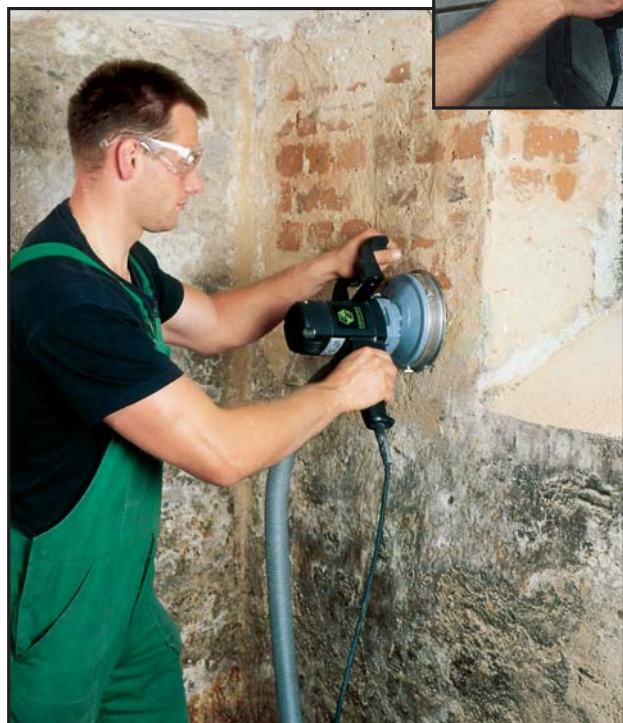
Note: Specifications subject to change. Refer to Owners Manual for operating instructions.

Scouring Machine with Dust Extraction

Extremely Versatile.

The new EPF 1500 Scouring Machine enables the user to knock off plaster, roughen concrete, level screed or remove old paint. The 13.6 AMP motor is powerful enough to scarify large surfaces. The dust guard is vertically adjustable and connects directly to a standard vacuum hose. The combination of a vertically mounted motor and dust guard extends the life of the tool by keeping dust away from the motor. The ergonomically designed tool reduces user fatigue.

This is an ideal tool for professional renovation. The EPF 1500 will roughen, descale, abrade, clean and texturize, as well as remove plaster, old paint, adhesives, plastics and resins.



**Roughen Concrete and
Quickly Remove Plaster
and Paint Dust-free**

EPF 1500

Power	13.6 AMP
Rated Voltage	110 Volt
Milling Head Diameter	5"
Load Speed (min ⁻¹)	4000 RPM
Spindle	M 14
Weight	10 lbs.

*Note: Specifications subject to change.
Refer to Owner's Manual for operating instructions.*

Spare Cutting Teeth Sets (1 Set = 16 pcs.)

37401 Milling star, diagonal teeth (incl. washers)
width 1/8" each

37402 Milling star, straight teeth (incl. washers)
width 1/8" each

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UNITEC EIBENSTOCK TOOLS ... *The Perfect Blend*

Variable-speed • High-torque • Versatile • Powerful

Electric and Pneumatic PORTABLE HAND-HELD MIXERS

**HEAVY-DUTY
MIXERS,
PADDLES AND
MIXING STANDS**



**For mixing Mortar, Concrete,
Plaster, Flooring Adhesives,
Grout, Drywall Mud, Paint,
Decorative Concrete Coatings
& other Construction Materials**



From low-viscosity materials to prefab mortar, CS Unitec has a portable mixer to do the mixing job quickly. Every CS Unitec mixer has been designed for high reliability, with the power to provide optimum blending of construction materials on the job site.

Features That Make CS Unitec Mixers Indispensable Tools for the Construction Industry:

- **Soft Start and Variable Speed** – minimize splashing when starting
- **High-torque Motors with Specially Designed Gears** – provide maximum power. Mix quantities from 1 gallon to 200 pounds.
- **Special Paddles** – mix from the bottom up, eliminating injection of air for an optimum blend
- **Versatility** – can be used hand-held or with our portable mixing stands
- **Ergonomically Designed Handles** – ensure a balanced grip to reduce operator fatigue
- **Unique Handle Design** – protects motor against damage when the mixer is laid down

For Small to Medium Mixing Jobs

Mixer EHR 14.1 S

The lightweight mixer with high torque

Excellent for use by painters, tilers and contractors for mixing paint, glue, tile cement, drywall mud and other materials in small batches up to 50 lbs.

Capacity: 1 bag, 8 gal.
Output: up to 300 lbs./hour
Power: 8.8 Amp / 110 Volt AC
Free Speed: 550 RPM
Load Speed: 0-390 RPM
Weight: 6.5 lbs.
Suitable Paddles: WG 120 (4.5" dia.)
 RG 120 (4.5" dia.)



Mixer EHR 15 SB

The compact mixer for larger batches

Easy-to-manage tool for continuous use in mixing larger amounts (up to 88 pounds) of liquid media such as paint, tile cement, plaster and mortar.

Capacity: 2 bags, 20 gal.
Output: up to 700 lbs./hour
Power: 9.5 Amp / 110 Volt AC
Free Speed: 700 RPM
Load Speed: 0-450 RPM
Weight: 6.75 lbs.
Suitable Paddles: WG 120 (4.5" dia.)
 MG 120 (4.5" dia.)
 RG 120 (4.5" dia.)



For Heavy-duty Mixing Jobs

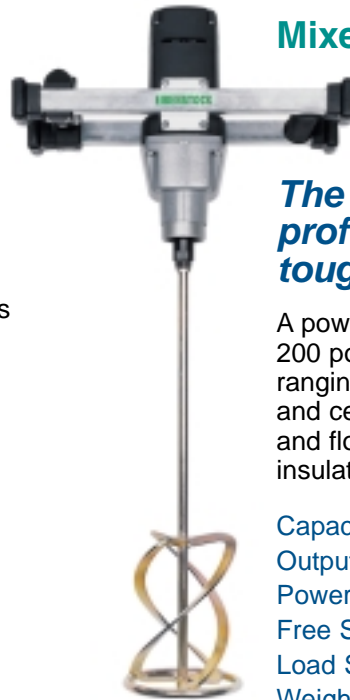


Mixer EHR 20 S

The standard mixer with high reliability for construction

Ideal for medium to high viscosity powder and liquid materials such as finish plaster, latex, mortar, epoxy, leveling compounds and other materials in batches up to 120 pounds.

Capacity: 3 bags, 25 gal.
Output: up to 900 lbs./hour
Power: 10.5 Amp / 110 Volt AC
Free Speed: 900 RPM
Load Speed: 0-580 RPM
Weight: 11.5 lbs.
Suitable Paddles: WG 135 (5.4" dia.)
 MG 140 (5.6" dia.)



Mixer EHR 23/1.2R

The powerful, professional unit for tough, continuous use

A powerful motor allows mixing of up to 200 pounds of high viscosity materials ranging from epoxy, mortars, plasters and cement to quartz-containing resins and flooring compounds, as well as insulation and other materials.

Capacity: 5 bags, 35 gal.
Output: up to 1800 lbs./hour
Power: 14.5 Amp / 110 Volt AC
Free Speed: 325 RPM
Load Speed: 100-275 RPM
Weight: 15 lbs.
Suitable Paddles: WG 160 (6.25" dia.)
 MG 160 (6.25" dia.)



Mixer EZR 21 S

Quick, thorough mixing with twin paddles

This dual-paddle mixer stirs heavy materials faster and more efficiently. A thorough, well-blended mixture results when mixing two or more component materials, as well as heavy products such as flooring compound, epoxies, mortars, fiber-filled cements, ceramics, granulates, pastes and putties. The blades rotate in opposite directions, eliminating counter torque and making the unit easy to handle – even while mixing the most demanding of materials. Each paddle is 4³/₄" dia. with 8¹/₄" working width. Mix up to 200 pounds.

Capacity: 5 bags, 25 gal.
Output: up to 1200 lbs./hour
Power: 10.5 Amp / 110 Volt AC
Free Speed: 680 RPM
Load Speed: 0-450 RPM
Weight: 15 lbs.
Paddle Pair: No. 31610000

Pneumatic-powered Mixers for Hazardous Environments

Three air-powered models are inherently safer for mixing paint, glue, epoxy, mortar, concrete, refractory cement and other materials in shipyards and the oil and gas industries. They can be used around water with no fear of shock or blown circuitry.



Model No.	Power	CFM @ 90 PSI	Load Speed (RPM)	Mixing Capacity	Weight	Air Connection	Suitable Paddles
7 1111 0010	1.5 HP	49 CFM	0-400	110 lbs.	14 lbs.	3/8"	MG 140, WG 135
7 1112 0010	1.5 HP	49 CFM	0-230 / 200-420	110 lbs.	15 lbs.	3/8"	MG 140, WG 135
7 1113 0010	2.2 HP	67 CFM	0-200 / 250-450	200 lbs.	23 lbs.	3/4"	MG 160, WG 160

Portable Mixing Stands

Save Time by Running Mixers Independently

Model 25GP-WD

Designed for easy setup, with no clamping required. Has rear wheels for extra portability. Ideal for use with 5-gallon pails and CS Unitec's EHR 20 S, EHR 23/1.2R or EZR 21 S mixers, as well as all CS Unitec pneumatic mixers.



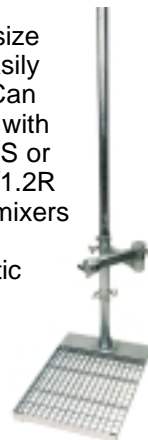
Size: H-35" L-26" W-14"
Weight: 64 lbs.



Size: H-65" L-28" W-20"
Weight: 69 lbs.

Model RST 90

Has an adjustable swing arm and variable height adjustment, allowing use with various size pails. Easily set up. Can be used with EHR 20 S or EHR 23/1.2R electric mixers and all pneumatic mixers.



Heavy-duty Galvanized Steel Mixing Paddles

Mix from the bottom up

Mixing paddles can be supplied in different configurations depending on the material to be mixed. They mix the product from the bottom up to prevent air bubbles from being sucked into the material. The paddles are made of robust welded steel and are galvanized for protection against corrosion and resistance against abrasion. These features make them ideal for continuous, professional use. The end result is a perfect blend for the mixing professional.

Thread Connection: 14mm

Paddle Length: All paddles are 24" (9" or 15" extensions are available)

Special Paddles in Stainless Steel are available for Food Applications.

Paddle pair for EZR 21 S: Order No. 31610000

Adapt any paddle to fit your mixer with our 5/8" 3-jaw chuck and 14mm adapter: Order No. 32142999

Low Viscosity

Medium Viscosity

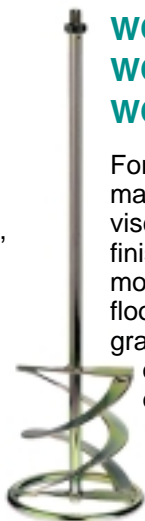
High Viscosity

Fold & Stir



RG 120
4.5" dia.

Ideal for liquid materials with a low viscosity, including wall paints, lacquers, cement paints, chemicals, coating compounds and laitance.



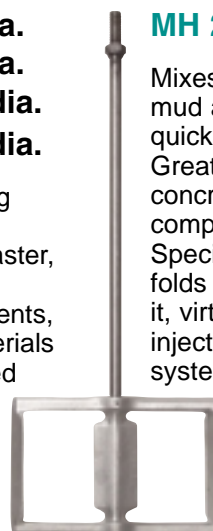
WG 120 4.5" dia.
WG 135 5.4" dia.
WG 160 6.25" dia.

For tenacious materials of a high viscosity such as finished plaster, mortar, gypsum, lime, floor compounds, granulates and quartz-filled epoxy resin.



MG 120 4.5" dia.
MG 140 5.6" dia.
MG 160 6.25" dia.
MG 235 9.25" dia.

Extra-robust stirring paddle for finished mortar, finished plaster, floor compounds, refractory cements, insulating materials and quartz-filled epoxy resin.



MH 240 9.625" x 6.25"

Mixes all types of drywall mud and textured products quickly and completely. Great for decorative concrete coatings and comparable products. Specially designed blade folds material and then stirs it, virtually eliminating the injection of air into the system. Works in 5 to 55 gallon drums.

UNITEC
... the power of innovation!®

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Phone 800-700-5919 • 203-853-9522 • Fax 203-853-9921

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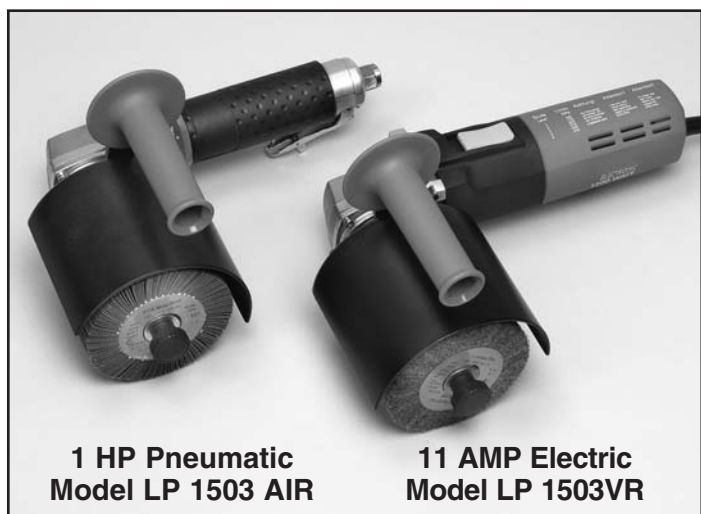
ALL SPECIFICATIONS ARE SUBJECT TO CHANGE

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Surface Finisher Electric or Pneumatic

Save Time Sanding and Polishing 4" Wide Face is Ideal for Finishing Stainless Steel, Metals, Wood and Synthetics

The powerful LP 1503 sanding/polishing machine produces a uniform finish fast and easy without leaving visible transitions and shadows. It is compact, lightweight and heavy duty. Ideal for graining, polishing, brushing, blending, deburring, cleaning welds, roughing and more. Easily achieve a #3, #4 or #8 finish. A wide speed range, high torque and a comprehensive line of accessories make this an essential tool for metal fabricators and other industries.



**Shown: Optional
Drive Roll for
Sanding and
Polishing Tubes.**



Abrasive and Polishing Accessories

Model LP 1503 VR – Electric

Load Speeds (RPM)	1200-3700
Motor	11 AMP (1200 W)
Weight	8 lbs.

Model LP 1503 AIR – Pneumatic

Load Speed (RPM)	2500
Motor	1 HP (1/4" Air Connection)
Air Consumption	20 CFM @ 90 PSI
Weight	8 lbs.

Standard Equipment

2" Inter-Leaf Wheels (2)	250 515
1 Set Spacer Rings	250 522

Optional Equipment

Pneumatic Wheel	256 283
Drive Roll	251 627
Case	283 630
Abrasive and Polishing Accessories (See Price List)	

Note: Specifications subject to change. Refer to Owner's Manual for operating instructions.

CS UNITEC, Inc.

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Pipe Sander/ Weld Seam Grinder Lightweight and Versatile Electric and Air

Pipe Sander/Weld Seam Grinder

If you're finishing pipe or tube surfaces you need a flexible tool which can adapt to every contour. The LBR 1506 pipe sander is light, easy to handle and adaptable. Available as electric or air, this is a versatile tool that renders weld seams invisible and gives stainless steel a polished finish.

- For pipes from 3/8" - 10" in diameter
- Electronic control for constant belt speed and overload protection (electric model)
- Variable-speed control from 3 to 10 ft./sec.
- Quick and easy tool-free changing of sanding belts
- Continuous belt tightness adjustment to suit the pipe diameter
- Can also be used to grind weld seams

Accessories for LBR 1506:

ABRASIVE GRINDING BELT

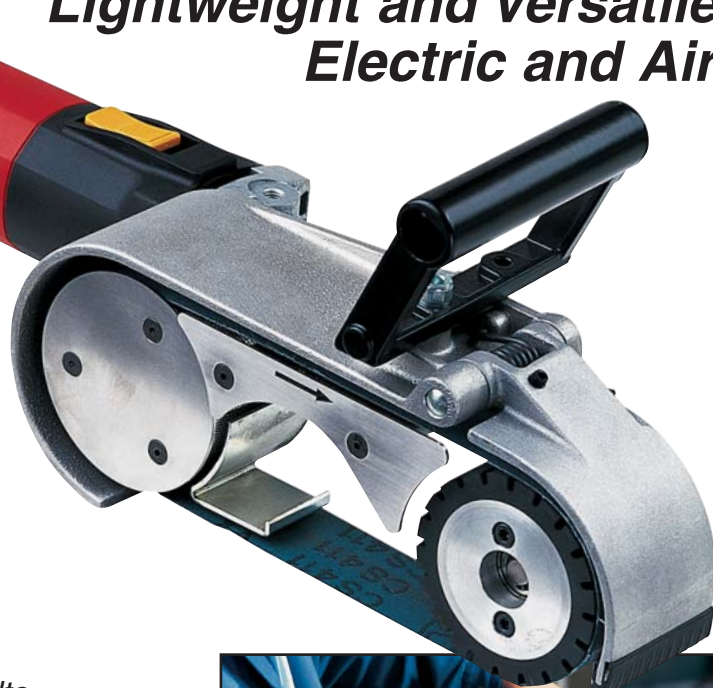
For grinding & surface structuring
Alumina Zirconia
24" x 1-5/8"; 10 belts per pack

Part No.	Grit
251 631	40
251 632	120
250 611	180
251 633	240

ABRASIVE POLISHING BELT

For polishing & cleaning
Non-woven abrasive
24" x 1-5/8"; 3 belts per pack

Part No.	Grit
250 586	Coarse
250 587	Medium
250 588	Fine



Model LBR 1506

Technical Specifications

	Electric (LBR 1506 VR)	Pneumatic (LBR 1506 AIR)
Belt size (W x L)	1-5/8" x 24-13/32"	1-5/8" x 24-13/32"
Belt speed	3 - 10ft./sec.	3 - 10ft./sec.
Power consumption	1200 Watts/11 AMP	33 CFM @ 90 PSI
Power output	700 Watts	1 HP
Weight	11.25 lbs.	9 lbs.
Standard Equipment		
1 side handle	252.721	
1 spade-grip handle	259.290	
1 sanding belt set grit 60/120/240	1 set	
1 polishing fleece 1-5/8" x 24" (medium)	250.587	
1 hex head wrench 5 mm	115.460	
1 hex head wrench 6 mm	104.167	

Specifications subject to change.

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DS 301 PLANETARY POLISHER

\$ 2,190.00*



Planetary Polishing System

The **DS 301 Planetary Polisher** is a rugged, planetary powered tool designed to produce a flat, swirl free finish on counter tops, floors, walls and steps. The unit will grind, hone, polish or clean concrete, terrazzo, marble or granite surfaces using coated abrasives, diamond polishing systems, light weight diamond wheels or brushes. The system operates wet, as shown, or dry with an optional dust cowl. There is also an handle assembly available for use on floors.

This is a true planetary gear driven tool. The 12" platform turns at a lower rate than the higher rotational speed of the 5" platens. This combination of rpm provides the optimal speed for diamond polishing, producing a perfect finish 5 times faster than a single head polisher. The unit is powered by a heavy duty FEIN variable speed polisher (900-2700 rpm). A center coolant feed, precision bearings and sturdy construction make this the ultimate tool for perfect flatness and a superior polish.

SAND



GRIND



HONE



POLISH

Voltage	115 v 60 Hz
Current	10.5 Amps
Driver Speed	900 to 2700 rpm
Platform Speed	150 to 450 rpm

Platen Speed	750 to 2250 rpm
Platen Size	5"
Tool Weight	30 lbs
Crated Weight	47 lbs

* Suggested Retail

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Wet Stone Polisher/ Grinder With Variable Speed



EPN 1301 P Wet Stone Polisher/Grinder With Variable Speed and Powerful 12 AMP Motor

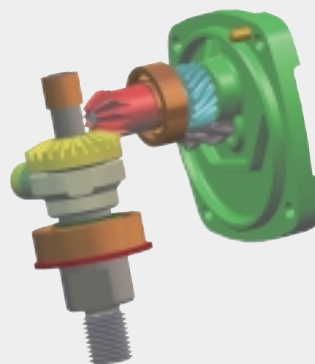


The EPN 1301 P wet stone polishing machine is an ergonomically designed tool that is light and comfortable to use. It produces an excellent finish on concrete, granite, marble and other natural stone. The polisher is ideal for grinding and polishing edges and curves, or removing scratches from a wide variety of stone. 4" and 5" polishing pads are available in grits of 50 through 8500, for a wide range of finishes. The powerful, variable-speed motor (1300-3050 RPMs) allows the user to easily finish the stone.

Model EPN 1301 P Technical Specifications

Power	12 AMP
Rated Voltage	110 Volt
Pad Diameter	4" and 5"
Speeds	1300-3050 RPM
Spindle	5/8" x 11
Weight	6-1/2 lbs.

Standard Equipment: Splash Guard and In-Line Ground Fault Interrupter



10:1 Power Ratio
Special gear head creates
a lot of power, reducing
stress on the motor.

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NATURAL STONE TOOLS

For Wet Grinding, Wet Polishing & Wet Cutting



LW 1503 Wet Stone Grinder

Lightweight but powerful. Equipped with a water inlet for wet grinding and polishing of granite and marble. Includes quick release brass coupling for 1/2" water hose.

- Grinding Pad: 4-1/2" max.
- Speed: 3,600 RPM
- Power: 7.3 Amp
- Weight: 4-1/2 lbs

LWG 1503 Wet Stone Grinder

Same as LW 1503 (above) but also includes an integrated rubber damper for better contact with the material.

LW 1302A Wet Stone Grinder

Extra sturdy wet stone grinder with composite metal housing. Equipped with a water inlet for the wet grinding of natural stone. Includes quick-release brass coupling for 1/2" water hose.

- Grinding Pad: 5-1/4" max.
- Speed: 2,000 RPM
- Power: 10 Amp
- Weight: 10-1/2 lbs



LW 603 VR Wet Stone Grinder

Strong electric wet grinder with variable speed motor. Equipped with a water inlet for wet grinding and polishing of granite and marble. Includes a quick release brass coupling for 1/2" water hose.

- Grinding Pad: 5-1/4" max.
- Speed: 800 - 2,400 RPM
- Power: 13.6 Amp
- Weight: 7-1/2 lbs.



PLW 1503 Wet Stone Air Grinder

Pneumatic stone grinder is lightweight, powerful and reliable. Ideally suited for continuous use. Includes a water inlet for wet grinding and polishing of granite and marble. Includes a quick release brass coupling for 1/2" water hose.

- Speed: 3,600 RPM
- Power: 3/4 HP
- Motor: 90 psi / 20 cfm
- Weight: 4-1/2 lbs.



(Also available as 2.3 HP Wet Stone Grinder, Model No. LW 2602)

Needle Scalers for Construction



CS-1BL



CS-182L



CS-1BLNS



CS-182LNS

Model No.	Bore	Stroke	Blows Per Minute	Chisel Style	Rec'd Hose Size	Length	Weight	Air Inlet Thread	Avg. Air Consumption
CS-1BL	1"	1-1/8"	4600	200	5/16"	10.25"	4.62 lbs.	1/4"	12 cfm
CS-1BLNS	1"	1-1/8"	4600	200	5/16"	19.00"	6.25 lbs.	1/4"	12 cfm
CS-182L	1"	1-1/16"	4000	100	5/16"	10.25"	4.14 lbs.	1/4"	13 cfm
CS-182LNS	1"	1-1/16"	4000	100	5/16"	17.75"	6.38 lbs.	1/4"	13 cfm



CS-24 Needle Scaler

Piston Diameter 15/16" Length 13-3/4"
 Stroke 1.1" Weight 6 lbs.
 Blows Per Minute 4000 Air Inlet Thread 3/8"
 Rec'd Hose Size 3/8" Avg. Air Consumption: 7.8 cfm



CS-28 Needle Scaler

Piston Diameter 1-3/32" Length 14-3/4"
 Stroke 1.18" Weight 7.7 lbs.
 Blows Per Minute 4500 Air Inlet Thread 3/8"
 Rec'd Hose Size 3/8" Avg. Air Consumption: 8.8 cfm



UNITEC
 The Power of Innovation®

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- Rugged construction
- Easy to move with lift and latch handle
- Delivers 5 gpm or 8 gpm at 2000 psi
- Electronic Throttle with two power modes: **Automatic Control** senses working load and adjusts to tool demand and returns to idle when load falls below threshold and **Always-On** which maintains constant engine speed at all work loads.
- Easy servicing with access to parts and removable upper frame
- All electric control system with fully sealed and potted rotary switches
- Quartz hour meter records engine time
- Hydraulic pump is mounted directly on engine to insure alignment and long life of drive coupling
- In-tank hydraulic filter continually cleans hydraulic fluid and refill fluid
- Easily accessible 35 Ah, non spill, no maintenance battery
- Automatic pressure lubrication system keeps bearings bathed in oil with automatic low oil level off switch
- Conforms to HTMA Type 1 and Type 2 tool circuit recommended performance as well as the 5 hp heat rejection capacity recommendation



LPU 18 Delivers Up To 8 GPM @ 2000 PSI

Technical Specifications	LPU 18	
	USA	METRIC
Output Capacity	8 gpm	30 lpm
Pressure	2000 psi	140 bar
Circuit Type	Open center	
Fuel Capacity	7 gallons	26 liters
Hydraulic Reservoir	3 gallons	11 liters
Weight (Wet)	330 lbs	150 kg
Length	35 inches	89 cm
Width	21.5 inches	54.6 cm
Height	29 inches	73.7 cm
Engine	Briggs & Stratton 18 HP Vanguard Honda 20 H OHV	

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AIR MOVERS

Efficient • Durable • Safe



QUIET AND COMPACT

CS Air Movers are lightweight, easy to handle and highly efficient for moving large volumes of air. Operating on compressed air, they are ideal for ventilation in hazardous areas and volatile atmospheres. No moving parts make them safe to use and easy to maintain.

Features and Benefits

- The sturdy housing is made of stainless steel and the nozzle is made of brass to withstand high mechanical loads and chemical influence. Consequently, CS Air Movers have a nearly unlimited service life and they are quieter than comparable units.
- No moving parts- safe for hazardous locations.
- CS Air movers have suspension lugs for easy mounting. Therefore, they can be aligned exactly with the required blower area.
- Model W 40 and W 70 have ball-type shut off valves.
- Connection for static ground wire.

Performance Data

Type	Inlet Pressure		
	40 PSI	60 PSI	90 PSI
	Total Air Flow	Total Air Flow	Total Air Flow
W 20	125 CFM	155 CFM	207 CFM
W 40	777 CFM	1028 CFM	1480 CFM
W 70	2296 CFM	2719 CFM	3430 CFM
	Air Consumed	Air Consumed	Air Consumed
W 20	8 CFM	9 CFM	12 CFM
W 40	56 CFM	71 CFM	87 CFM
W 70	115 CFM	141 CFM	169 CFM

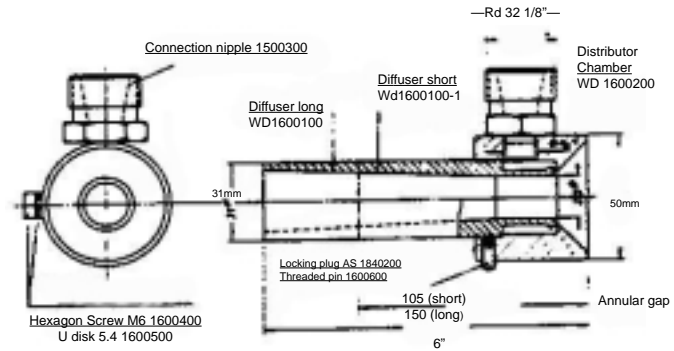
DIMENSIONS AND MEASUREMENTS

Type	Overall Length	Diameter of Base	Diameter Top of Horn	Annular Gap	Net Weight
W 20	6.00"	2.32"	1.25"	0.0048"	2.9 lbs.
W 40	12.80"	4.60"	3.68"	0.0100"	11.0 lbs.
W 70	21.00"	6.00"	5.80"	0.0120"	22.0 lbs

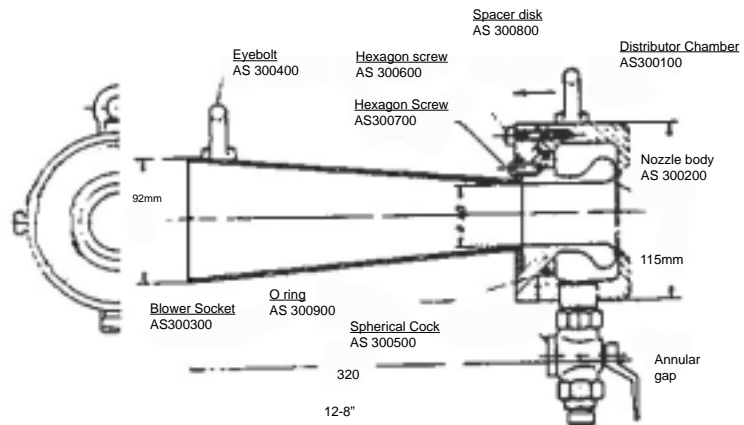
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Note: Specifications subject to change. Refer to Owners Manual for operating instructions.

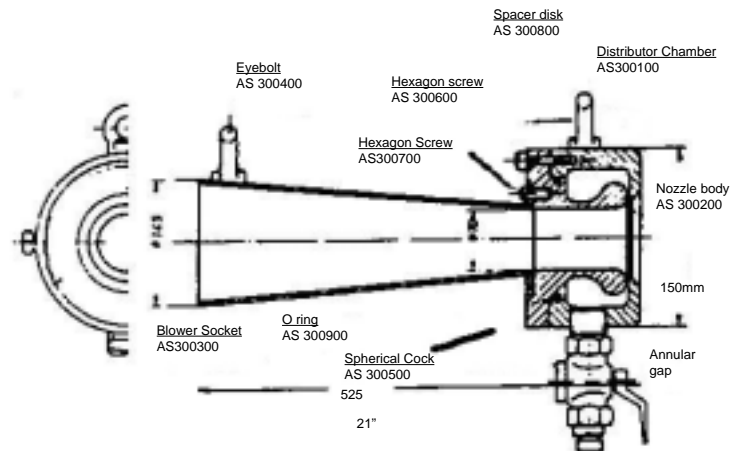
Air Mover Type W 20



Air Mover Type W 40



Air Mover Type W 70



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Note: Specifications subject to change. Refer to Owners Manual for operating instructions.

AXIAL FANS AIR DRIVEN (EX)

CS UNITEC, Inc.

22 Harbor Avenue, Norwalk, CT 06850

Phone: (800) 700-5919 (203) 853-9522 Fax: (203) 853-9921

Website: <http://www.csunitec.com> e-mail: info@csunitec.com



8 1521 0300 - 8 1524 0300



8 1601 0300 - 8 1603 0300
With protective grille on inlet side

Small Portable Fans 8 15.. Series

for numerous applications.

These fans are suitable for blowing air, extracting fumes from tanks, containers, pump rooms and in cleaning, painting and repair work.

Do **not** fit oilers to the Airline.

Large Fans

These fans are suitable for moving large volumes of air through ductwork, for cooling, fume removal and all general blowing and exhausting of air, especially in:

- Underground Mining
- Shipyards
- Refineries
- Petro Chemical Industry
- Steel Works
- Power Stations

The design features are the same as Type 8 1601 but without protective grilles.

Ductwork connections Standard:

Slip-on sleeve to DIN 21600.

Special design:

Flange to DIN 21603.

Earthing cable.

For Flanges, see Accessories

Design Features

The fans are driven by a rugged, low-maintenance turbine.

All components used in the fan construction, except shaft and ball bearings, which are located inside an aluminium enclosure, are made of non-ferrous metal and are spark and explosion proof.

An aluminium protective grille is mounted on the air intake side of Types 8 1601/2/3.

Two types of slip-on sleeves are available on request.

On models 8 1601 and 8 1602 the spent compressed air is fed back into the air stream generated by the fan.

On model 8 1603 the spent compressed air is vented to atmosphere thus preventing contaminated air entering the air stream.

Approved by "GERMANISCHER LLOYD".

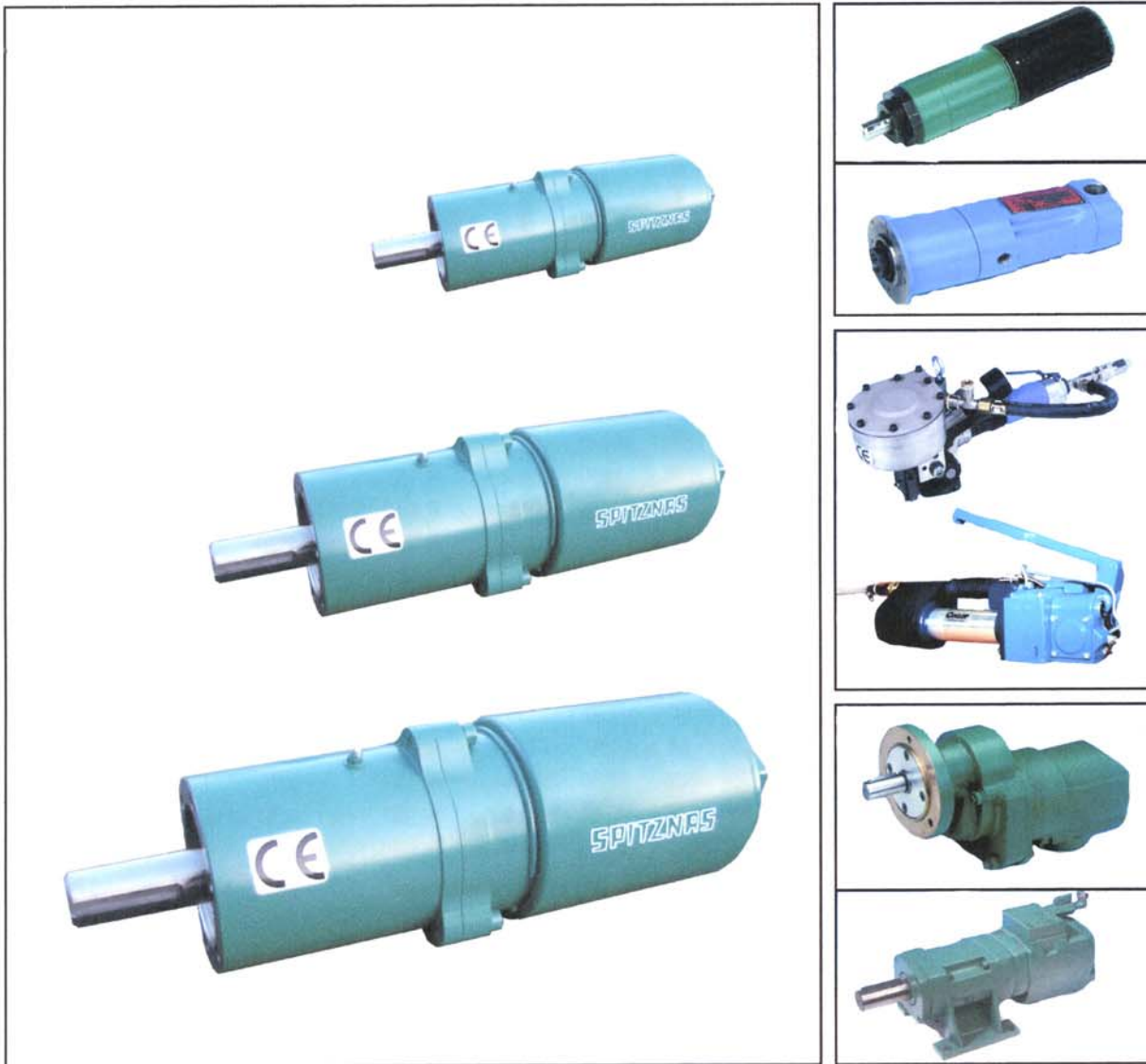
Type	Nominal Unit		Weight	Operating Pressure	Air Consumption	Number of Drive Nozzles	Volume Flow Unrestricted Discharge	Volume Flow depending on Total Pressure based on Air at 20° C, 1 Atmosphere									
	Diameter	Length						1	1,5	2,5	3,5	5	7	9	11	13	mbar
8 1601 0300	300	350	13	5	0,58	1	0,78	0,78	0,62	0,43	0,28	0,09					m³/s
8 1602 0300	300	350	13	5	1,16	2	1,0	0,96	0,87	0,71	0,58	0,43	0,23				m³/s
8 1603 0300	300	370	13,5	5	0,58	1	0,78	0,78	0,62	0,43	0,28	0,09					m³/s
8 1501 0300	300	440	22	4	1,28	1	1,53				1,49	1,38	1,18	0,91	0,38		m³/s
8 1502 0300	400	440	32	4	2,11	1	2,7				2,41	2,23	1,98	1,66	1,17		m³/s
8 1503 0300	500	520	46	4	2,73	1	4,33			2,54	4,28	3,78	2,92	2,07			m³/s
8 1504 0300	600	520	58	4	3,84	1	5,83				5,42	4,97	4,27	3,51	2,04	0,82	m³/s
8 1521 0300	300	440	22	6	1,28	1	1,53				1,49	1,38	1,18	0,91	0,38		m³/s
8 1522 0300	400	440	32	6	2,11	1	2,7			2,54	2,41	2,23	1,98	1,66	1,17		m³/s
8 1523 0300	500	520	46	6	2,73	1	4,33				4,28	3,78	2,92	2,07			m³/s
8 1524 0300	600	520	58	6	3,84	1	5,83				5,42	4,97	4,27	3,51	2,04	0,82	m³/s

Model	Dia.	Volume Flow	Length	Weight
8 1521 0300	12"	3,938 cfm @ 90 psi	17 inches	48 Lb.
8 1522 0300	16"	6,655 cfm @ 90 psi	17 inches	70 Lb.
8 1523 0300	20"	10,824 cfm @ 90 psi	21 inches	101 Lb.
8 1524 0300	24"	14,476 cfm @ 90 psi	21 inches	128 Lb.

CS UNITEC, INC.

AIR MOTORS

- CLOCKWISE AND COUNTER-CLOCKWISE
- REVERSIBLE AND NON-REVERSIBLE
- VANE-TYPE
- GEARED AND NON-GEARED
- .75 TO 10 HP



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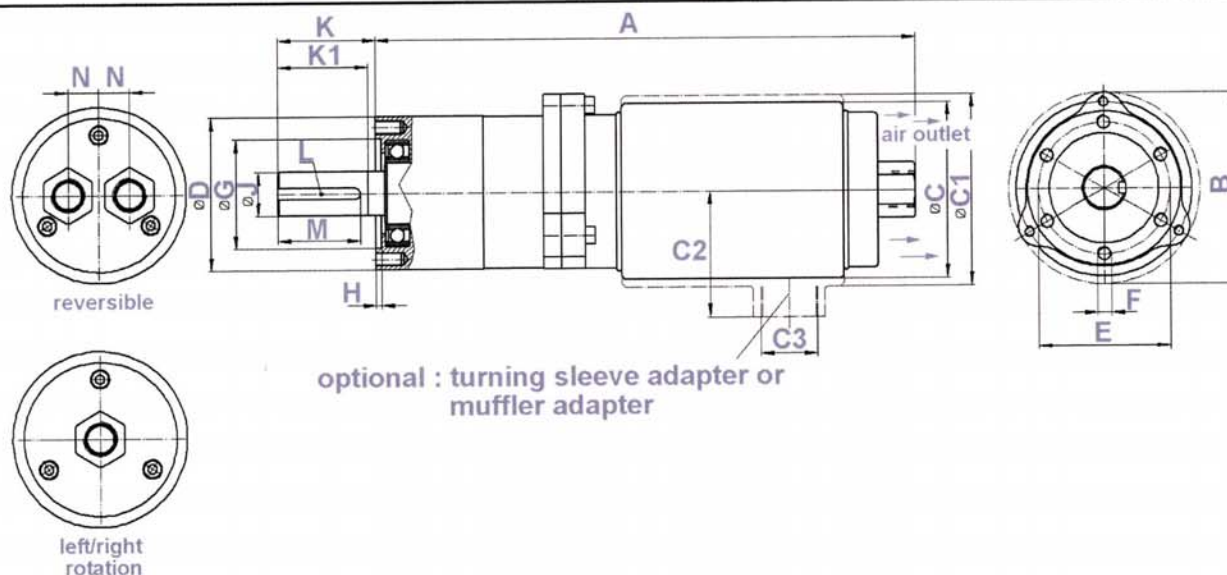
TECHNICAL SPECIFICATION



Type		Power	Speed Under Load	Free Speed	Torque Under Load	Air connection	Air Consumption	Weight	Exhaust Air Outlet
clockwise	counter-clockwise	HP	rpm	rpm	Ft-lbs.		CFM	lbs.	
3 6220 0020	3 6220 0050	3.54	97	185	182	R 1/2"	95.34	20.02	free
3 6221 0020	3 6221 0050	3.54	97	185	182	R 1/2"	95.34	20.35	turning sleeve
3 6222 0020	3 6222 0050	3.54	725	1400	26.8	R 1/2"	95.34	17.38	free
3 6223 0020	3 6223 0050	3.54	725	1400	26.8	R 1/2"	95.34	17.71	turning sleeve
3 6224 0020	3 6224 0050	3.54	725	1400	26.8	R 1/2"	95.34	17.38	free
3 6225 0020	3 6225 0050	3.54	725	1400	26.8	R 1/2"	95.34	17.71	turning sleeve
3 6250 0020	3 6250 0050	1.47	110	220	72.8	R 1/2"	48.02	8.58	free
3 6251 0020	3 6251 0050	1.47	110	220	72.8	R 1/2"	48.02	8.80	turning sleeve
3 6252 0020	3 6252 0050	1.47	670	1320	11.7	R 1/2"	48.02	7.48	free
3 6253 0020	3 6253 0050	1.47	670	1320	11.7	R 1/2"	48.02	7.70	turning sleeve
3 6412 0020	3 6452 0050	5.50	635	1100	62.6	R 3/4"	218.92		free
reversible									
3 6220 0030		3.06	83	170	180	R 1/2"	95.34	20.46	free
3 6221 0030		3.06	83	170	180	R 1/2"	95.34	20.79	turning sleeve
3 6222 0030		3.06	620	1280	24.9	R 1/2"	95.34	18.04	free
3 6223 0030		3.06	620	1280	24.9	R 1/2"	95.34	18.37	turning sleeve
3 6224 0030		3.06	620	1280	24.9	R 1/2"	95.34	18.04	free
3 6225 0030		3.06	620	1280	24.9	R 1/2"	95.34	18.37	turning sleeve
3 6250 0030		1.25	94	195	66.6	R 1/2"	218.92	9.02	free
3 6251 0030		1.25	94	195	66.6	R 1/2"	218.92	9.24	turning sleeve
3 6252 0030		1.25	570	1120	10.8	R 1/2"	218.92	7.92	free
3 6253 0030		1.25	570	1120	10.8	R 1/2"	218.92	8.14	turning sleeve

Technical specification at an operating pressure of 6 bar (90 PSI).

DIMENSIONS



NOTE: Flange mounts are available with US/(Imperial) or Metric size bolt holes. Please advise your requirements.

METRIC TABLE MEASUREMENTS

A	B	C	C1	C2	C3	D	E	F	G	H	J	K	K1	□ L	M	N
311	114	102				88.9	76.2	6xM8	63.5H9	3.17	ø25.4	57		6.35	48	
311	114		111	73	R1"	88.9	76.2	6xM8	63.5H9	3.17	ø25.4	57		6.35	48	
258	114	102				88.9	76.2	6xM8	63.5H9	3.17	ø25.4	57		6.35	48	
258	114		111	73	R1"	88.9	76.2	6xM8	63.5H9	3.17	ø25.4	57		6.35	48	
321.5	114	102		73		76.2	63.5	5x7.15	50.8g6	3.17	□ 1/2"					18
321.5	114		111		R1"	76.2	63.5	5x7.15	50.8g6	3.17	□ 1/2"					18
243	86	83				68.2	57.15	6xM8	44.45H7	3.4	ø19.05	56.55	45.5	4.76	42.6	
243	86		92	60	R3/4"	68.2	57.15	6xM8	44.45H7	3.4	ø19.05	56.55	45.5	4.76	42.6	
	86	83				68.2	57.15	6xM8	44.45H7	3.4	ø19.05	48	45.5	4.76	42.6	
	86		92	60	R3/4"	68.2	57.15	6xM8	44.45H7	3.4	ø19.05	48	45.5	4.76	42.6	
237		130				88.9	76.2	6xM8	63.5H7	3.5	ø25.4	57.15		6.35	48	
311	114	102				88.9	76.2	6xM8	63.5H9	3.17	ø25.4	57		6.35	48	18
311	114		111	73	R1"	88.9	76.2	6xM8	63.5H9	3.17	ø25.4	57		6.35	48	18
258	114	102				88.9	76.2	6xM8	63.5H9	3.17	ø25.4	57		6.35	48	18
258	114		111	73	R1"	88.9	76.2	6xM8	63.5H9	3.17	ø25.4	57		6.35	48	18
321.5	114	102		73		76.2	63.5	5x7.15	50.8g6	3.17						18
321.5	114		111		R1"	76.2	63.5	5x7.15	50.8g6	3.17	□ 1/2"					18
243	86	83				68.2	57.15	6xM8	44.45H7	3.4	ø19.05	56.55	45.5	4.76	42.6	17
243	86		92	60	R3/4"	68.2	57.15	6xM8	44.45H7	3.4	ø19.05	56.55	45.5	4.76	42.6	17
	86	83				68.2	57.15	6xM8	44.45H7	3.4	ø19.05	56.55	45.5	4.76	42.6	17
	86		92	60	R3/4"	68.2	57.15	6xM8	44.45H7	3.4	ø19.05	48	45.5	4.76	42.6	17

Dimensions all in mm.

ACCESSORIES FOR AIR MOTORS

4/3-WAY PILOT VALVE

for use in motors with pilot-operated remote control. These valves have two connections for clockwise and counter-clockwise rotation and are available as lock-type hand operated or push-button valve.

Illustration: Push-button valve with stop button



OILER

air motors must be serviced and lubricated. The compressed air should be clean and contain sufficient oil to ensure sufficient lubrication. Under normal conditions, 2-5 drops per m³/min are used (one drop = 0.02g).

Illustration: Steel oiler, for use directly on motor or in the hose line (before the control element)



SERVICE UNIT WITHOUT PRESSURE REGULATOR

is a filter and oiler with an adjustable nozzle according to the dynamic pressure principle. The direction of flow is prescribed. The nozzle must be attached in the direction indicated by the arrow. The service unit will be connected to the stationary compressed air line.

Illustration: Service unit without pressure regulator



SERVICE UNIT WITH PRESSURE REGULATOR

as described above but with a pressure regulator connected between the filter and lubricator which does not rely on starting pressure, is reversible and fitted with a manometer. The flow volume must be considered when selecting the pressure. Wherever possible, the unit should be installed less than 5 m away from the motor.

Illustration: Service unit with pressure regulator and stand



CS UNITEC, INC.

22 Harbor Avenue
Norwalk, CT 06850

800-700-5919 Tel: 203-853-9522 Fax: 203-853-9921
Email: info@csunitec.com Website: www.csunitec.com

Air Starters are designed to start up diesel engines or gas turbines. Before starting the engine the cycloid design will guarantee 100% positioning of the pinion drive on the ring gear. After adjusting, the starter will build up its highest starting torque to start the engine. Air starter Model No. 3 4055 0010 is able to start up diesel engines up to 12,000 HP (9000KW).



Model 3 4053 0010

Special Features:

- High start up torque
- Low air consumption
- Pneumatic and electric control systems
- Right-hand or left-hand rotation
- Cycloid pinion drive guarantees 100% starting
- Long Life expectancy
- Driving gear made of bronze or steel
- Works in extreme thermal conditions
- SAE flange connection or clamp on
- Maintenance free
- Explosion proof design
- Integrated free running
- Closed and robust design
- Positioning and turning device (hand crank) on air starter Type 3 4055 0010



Model 3 4054 0010



Model 3 4055 0010

Technical Specifications:			3 4053 0010	3 4054 0010	3 4055 0010
Start-up Torque @ pmax.	T max.	ft./lbs.	63.4	174	376
Air Pressure	poperation	PSI	58-218	58-218	145-218
Nominal Speed	noperation	RPM	1500	2000	2000
Speed Range	n	RPM	0-3000	0-3000	0-3000
Power @ poperation	P	HP	4-20	16-44	60-106
Torque @ noperation	T	ft.lbs.	14-60	36-170	141-258
Air Consumption @ n operation	Q	CFM	106-953	318-1412	1642-2224
Weight		lbs.	35	88	140

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Phone: (203) 853-9522 Toll Free: (800) 700-5919 Fax: (203) 853-9921
Website: <http://www.csunitec.com> E-Mail: info@csunitec.com