



Underwater Power Tools: Hydraulic • Pneumatic

For construction, maintenance, subsea
and demolition applications



Underwater Tool Considerations



▶ Hydraulic Tools

- Hydraulic Power Unit
- We recommend food-grade, eco-friendly oil
- Maintenance: wash exterior of tool and lubricate accessories as needed

▶ Pneumatic Tools

- Air Compressor
- Rear/side exhaust port or pipe exhaust away from the tool – allows for clear view of work area
- Maintenance after use: blow water out of motor, add oil and blow out 3-4x to ensure motor is completely coated and protected from rust

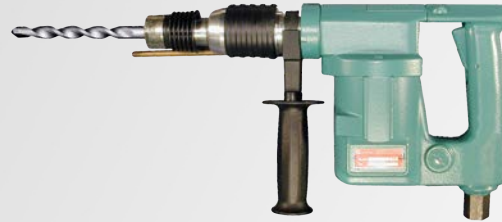




Rotary Hammer Drills

Hydraulic and Pneumatic

Drill concrete anchor holes and thru holes for piping and mechanical openings



SDS Plus

- ▶ Capacity: 1" with SDS Bits



SDS Max

- ▶ Capacity: 2" with SDS Bits



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SDS Drill Bits

Hydraulic Portable Magnetic Drills

Manually-Operated Permanent Magnet with Ratchet Control

HB-4400

- ▶ Drilling Capacity: 1/4" to 2-1/16" dia.
- ▶ Motor: 1.5 HP, operates at 6 GPM at 2000 PSI
- ▶ 3/4" Weldon Shank or geared chuck



2 1345 Series

- ▶ Drilling Capacity: 1/4" to 4" dia.
- ▶ Tapping Capacity: 1" dia.
- ▶ Motor: 3.4 HP, operates at 8 GPM at 2000 PSI
- ▶ 3/4" Weldon Shank or geared chuck



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**Optional Pipe Clamp for right angle drilling of steel,
cast iron, cement and plastic pipes up to 43-1/4" dia.**

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Air-Powered Magnetic Drill

Completely AIR-Operated Magnetic Drill
NO ELECTRICITY!



AB-4300 Series

- ▶ Drilling Capacity: 1/4" to 2-1/16" dia.
- ▶ Motor: 1.6 HP, operates at 64 CFM at 90 PSI
- ▶ No-Load Speed: 400 RPM
- ▶ 3/4" Weldon Shank or geared chuck
- ▶ Fail-safe permanent magnetic is activated on/off by air pressure – if air flow is lost, the magnet will not disengage
- ▶ Stroke up to 10-1/4" with extended rack



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Annular Cutters for Portable Drills

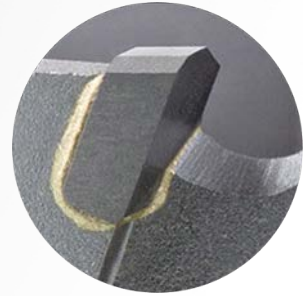
Large Diameter Holes up to 6" diameter, 10" deep

Ideal for steel & hard metals – even through rust & paint!



Annular Cutters and Hole Saws

- ▶ Drill large-diameter holes in steel, stainless and hard metals with rust or paint
- ▶ Drill holes from 7/16" up to 6" dia.
- ▶ Leaves a burr-free finished hole
- ▶ Available in all sizes (fractional and metric)
- ▶ Annular cutters have 3/4" or 1-1/4" Weldon shank



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Hydraulic Circular Saws

Heavy-duty for use Underwater and in Hazardous Environments



7-1/2" Diameter

- ▶ Cuts up to 2-1/2" depth at 90°, up to 1-1/2" depth at 45°
- ▶ Tool-free miter adjustment
- ▶ Cut metal, plastics, wood and more
- ▶ D-handle design with inside trigger and safety lock

12-5/8" Diameter

- ▶ 4-3/4" max. depth of cut
- ▶ Cut I-beams, 3/8" thick steel plate, aluminum and other metals, as well as wood, plastics and more
- ▶ D-handle design with inside trigger and safety lock



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Reciprocating Saws

Cut Structural Steel, Tanks, Bolts, Pipes, Plastic and more

Hydraulic – The SHARK

- ▶ Cutting Capacity: up to 6” dia. steel pipe and channel; up to 8” dia. plastic pipe
- ▶ Motor: 2 HP, operates at 6-13 GPM at 2000 PSI



Saws accept standard Sawzall blades or heavy-duty CS Unitec double-tang blades for straight cutting

Vise clamps for 90° cuts on pipe and channel

Pneumatic – The CAT

- ▶ Cutting Capacity: up to 6” dia. steel pipe and channel; up to 8” dia. plastic pipe
- ▶ Motor: 1.3 HP, operates at 46 CFM at 90 PSI – provides more power than conventional air saws



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Portable Hacksaws

Cut Pipe, Structural Steel, Profiles and more up to 30" OD

Hydraulic

- ▶ Cutting Capacity: 2" to 30" OD
- ▶ Motor: 3.8 HP, operates at 8 GPM at 2000 PSI
- ▶ Strokes per min: 100-500
- ▶ Throttle: Lever



Pneumatic

- ▶ Cutting Capacity: 2" to 30" OD
- ▶ Motor: 1.5 HP, operates at 51 CFM at 90 PSI
- ▶ Strokes per min: 100-350
- ▶ Throttle: Lever



Heavy-duty saw blades available for cutting steel, stainless steel, aluminum, plastic, wood and more

Pipe and profile clamps available for 90° cuts



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Portable Band Saws

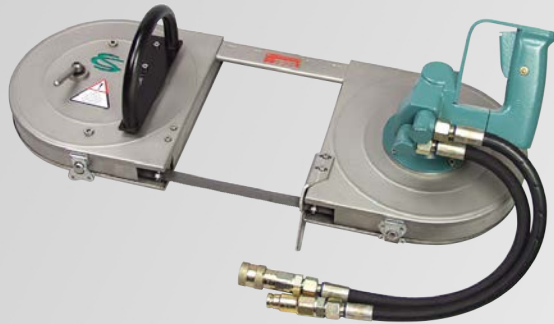
Cut up to 9" OD

Cold cut steel, stainless, Inconel, chrome, Hastelloy, iron, fiberglass, wood and more



Hydraulic

- ▶ **Porta-Band – cut up to 4" OD**
- ▶ **Deep Throat™ – cut up to 7" OD**
- ▶ **Wide Mouth™ – cut up to 9" OD**



Pneumatic

- ▶ **AirBand™ – cut up to 4-3/4" OD**
- ▶ **Deep Throat AirBand™ – cut up to 7" OD**
- ▶ **Wide Mouth AirBand™ – cut up to 9" OD**



Vise clamps available for straight cutting

Heavy-duty M42 Cobalt Steel band saw blades available



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Hydraulic Chainsaws

5 1030 Series

- ▶ Cutting Capacity: 11" up to 40"
- ▶ Motor: 10 HP, operates at 12 GPM at 2000 PSI
- ▶ Open center system with integrated pressure control valve
- ▶ For cutting wood & plastic

ACH000 Series

- ▶ Cutting Capacity: 12", 14", 16"
- ▶ Motor: up to 6.5 HP, operates at 3-8 GPM at 2000 PSI
- ▶ Pistol grip with safety trigger lock and insulated handle for added safety
- ▶ High-torque gear motor and easy change, open/close hydraulic system



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Pneumatic Chainsaws

5 1008 Series

- ▶ Cutting Capacity: up to 25" deep
- ▶ Motor: 4 HP, operates at 92 CFM at 90 PSI
- ▶ Chain guard to protect operator
- ▶ For cutting wood, polyethylene and plastic



5 1028 Series

- ▶ Cutting Capacity: up to 25"
- ▶ Motor: 4 HP, operates at 92 CFM at 90 PSI
- ▶ Chain brake for operator safety
- ▶ For cutting wood, polyethylene and plastic



Chain saws for ductile iron also available.



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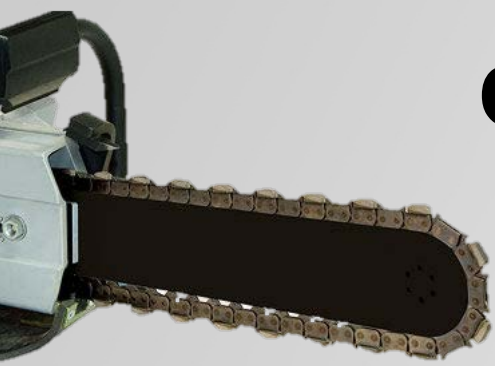
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Concrete Chainsaws



Hydraulic and Pneumatic

- ▶ Cutting Capacity in Concrete: from 10" to 20" deep
- ▶ Hydraulic Motor: 11 HP, operates at 12 GPM at 2000 PSI (135 bar)
- ▶ Pneumatic Motor: 6.5 HP, operates at 124 CFM at 90 PSI (6 bar)
- ▶ Specifically designed for the demanding requirements of professional sawing and drilling contractors
- ▶ Pipe cutting chain saws for ductile iron also available



AIR



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Pipe Cutting Machines

Cut Pipe from 6" to 63" dia. with wall thickness up to 2"

**Manually guided
hand lever feed to
make 360° cuts in
pipe at 90°**

**Fully enclosed
blade guard**



- ▶ Hydraulic and pneumatic power
- ▶ Ideal for use on steel, cast iron, ductile iron, nonferrous metal, HDPE, plastic, concrete pipe and more
- ▶ 7" blade with adjustable cutting depth
- ▶ Carbide-tipped or diamond-coated blades
- ▶ Adjustable guide chain – add and remove chain links based on pipe size
- ▶ Applications include marine, municipal, water, utilities, refineries, power generation, pipeline construction and demolition



**Kits available
for pipe
diameters up to
16", 32" and 63"**



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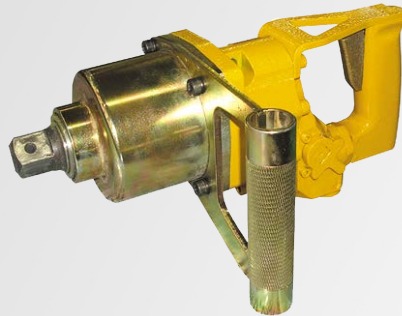
Impact Wrenches

Tighten and Remove Bolts and Screws
High Torque and Best Power-to-Weight Ratios



Hydraulic

- ▶ 3/4" and 1" square drive models
- ▶ Max bolt size: 1-3/8" (M 36)
- ▶ Tightening torque: up to 1840 ft-lbs.



Pneumatic

- ▶ 3/4", 1", 1-1/2" square drive models
- ▶ Max bolt size: 1-1/8" (M 30)
- ▶ Tightening torque: 3240 ft-lbs.



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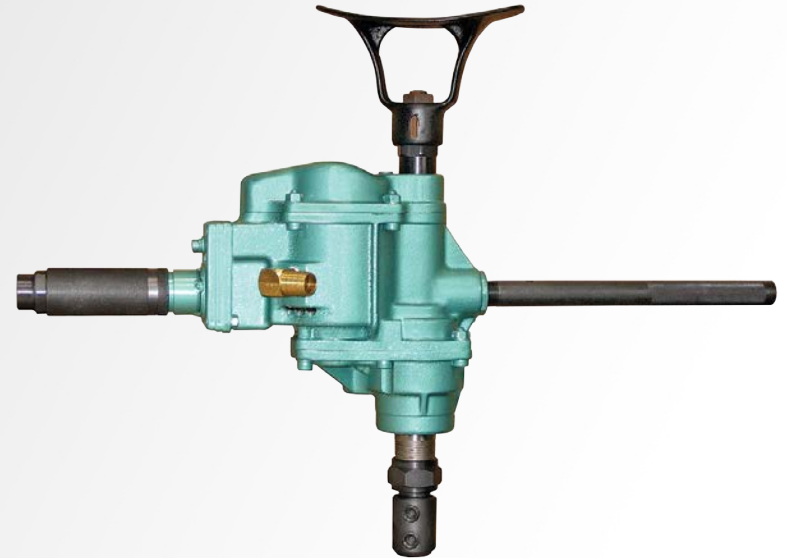
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Pneumatic Woodboring Drills

Heavy-Duty Power for Drilling Wood in Marine Timbers and Pilings

- ▶ 3 Models available with 1", 2" and 3" dia. capacity
- ▶ Reversible
- ▶ 1/2" woodboring chuck
- ▶ Includes 1/2" NPT threaded exhaust port
- ▶ Thrust bearing support for long life and efficient operation
- ▶ Lever throttle and durable spur gearing
- ▶ Breast plate and dead handle included
- ▶ Accessories and woodboring drill bits from 3/8" dia. to 1-1/2" dia. in lengths from 12" to 36"



Diamond Core Drills

Hydraulic and Pneumatic • Hand-Held or Rig-Mounted

Holes up to 12" dia. in Concrete, Reinforced Concrete & more

Hand-Held

- ▶ Capacity: 3" hand-held, 6" rig-mounted
- ▶ Rugged 3-speed gearbox with mechanical slip clutch
- ▶ Optional anchor stand



Rig-Mounted

- ▶ Capacity: 12" dia.
- ▶ Rugged 3-speed gearbox with mechanical slip clutch
- ▶ Anchor stand



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Use CS Unitec's heavy-duty diamond core bits with 5/8" and 1-1/4" threads

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Hydraulic Grinders



Underwater Angle Grinder

- ▶ Uses discs up to 7" dia., as well as a variety of wheels, brushes and attachments



Underwater Peanut Die Grinder

- ▶ Uses cutting wheels up to 4" dia. and carbide burrs

Underwater Horizontal Grinder

- ▶ Fits grinding discs up to 7-3/4" dia., as well as straight grinding wheels, carbide burrs, wire brushes, cones and plugs
- ▶ Extensions available up to 19"



Underwater Vertical Grinder

- ▶ Uses discs up to 9"
- ▶ Protective shroud rotates 360°

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Pneumatic Needle/Chisel Scalers



- ▶ Ideal for cleaning and stress-relieving weld seams and joints, texturing concrete, removing coatings, corrosion and other accumulated materials
- ▶ Needle and chisel scalers convert in seconds with optional head
- ▶ Drop protection kits available to protect tool when working in applications where dropping/losing tool is likely



Stainless Steel Needles Available



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Hydraulic Power Units



P95 Series

- ▶ Delivers 5 GPM or 8 GPM at 2000 PSI
- ▶ Easy to move with lift and latch handle
- ▶ 18 HP gas engine, electric and diesel engines also available

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Underwater Tools

For construction, maintenance and demolition applications in and around shipyards, offshore oil, power plants and other underwater jobsites

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