

PRODUCT CATALOG



ICSDIAMONDTOOLS.COM



Diamond Tools and Equipment

ur commitment is to help professionals get their job done right. We have been the leader in chain based concrete and pipe cutting solutions for nearly 30 years. Our concrete cutting diamond chains are designed and manufactured in Portland, Oregon, using the best in global materials. Our patented SealPro[®] and SealPro Advanced™ anti-stretch technology significantly reduces chain stretch so your chain lasts longer and you spend less time tensioning. Our patented PowerGrit[®] pipe cutting chain allows you to cut ductile iron, HDPE and PVC pipe in a confined space with no fear of rotational kickback.

ICS chain, coupled with our best-in-class guidebars and powerheads gives you a cutting system that can plunge cut up to 25" deep. Our ssytem also allos you to cut tight radiuses and clean, square corners with no overcuts. All our powerheads are designed for wet cutting and have integrated water delivery systems that reduce airborne particles during the cut. Your job demands power and precision. ICS provides cutting systems that allow you to get your job done quickly and safely compared to other cutting methods.

Headquartered in Portland, Oregon, ICS also has a sales and distribution office in Belgium and a worldwide sales and service network covering more than 70 countries. ICS concrete power cutters, diamond chains, and related products are sold and supported by a network of ICS Authorized Dealers and backed by a comprehensive network of factory-trained personnel and service centers.

SealPRO® Technology

here are many jobs that only an ICS power cutter can do. And for those jobs, only ICS includes patented SealPRO and SealPRO Advanced anti-stretch technology, which locks out the abrasive slurry created when cutting concrete, stone, or masonry, reducing chain stretch and increasing the useful life of the chain.

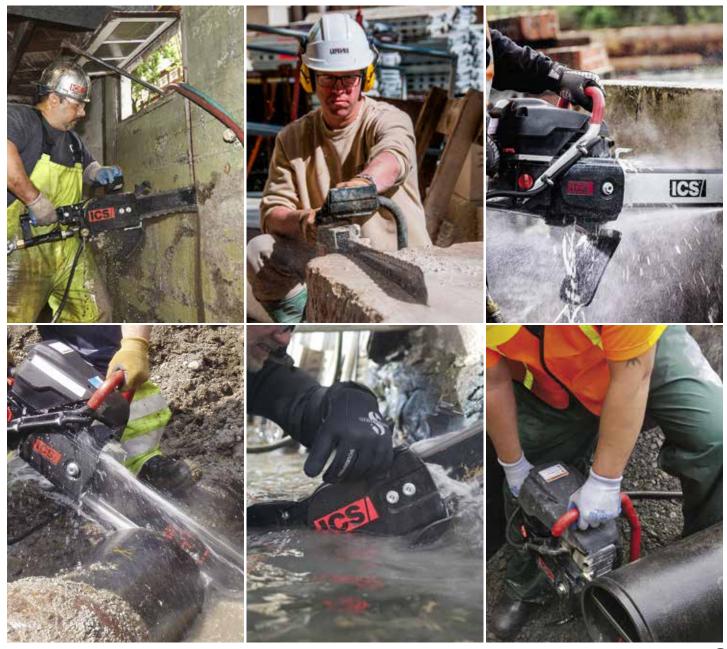
Concrete cutting pros like you depend on your tools. All day, every day, under the toughest conditions. Our diamond segments are laser-welded to a steel chassis so that you can grind through concrete, stone and masonry without the fear of rotational kickback. This remarkable property allows ICS power cutters to plunge cut up to 25 inches (63cm) into the hardest concrete or make perfectly square. corners with no overcuts. We know the challenges you face and understand the importance of investing in the right tools.



Table of Contents

ICSDIAMONDTOOLS.COM 800.321.1240

ICS Gas Power Cutters	4-7
ICS Hydraulic Power Cutters	8-11
ICS Pneumatic Power Cutters	12-13
ICS Diamond Chains	14-21
Accessories	22-23
FAQ's	24-25
Global Bar Fit-Up Chart	26-27
Power Cutters, Guidebars, Chains	28-29
Technical Specifications	32-33
Applications	34-39



800.321.1240

695XL GAS POWER



6.4

horsepower

94cc

displacement

20psi

water supply

2gpm
water flow

50:1

fuel mix



UNRELENTING



Based on our best selling 695 power cutter system, the 695XL is the highest horsepower ICS gas power cutter for frequent use by general construction, utility contractors and concrete professionals. All ICS power cutters are equipped with an integrated water delivery system that supplies water to the blade and reduces airborne particles. The 695XL also features an easy-to-start engine with a higher energy ignition system and durable, long-lasting components including a new piston and cylinder, muffler and carburetor. The 695XL is compatible with the entire line of FORCE3°, FORCE4°and PowerGrit° series diamond chains.



680ES GAS POWER



5.0 horsepower

76.5cc 20psi

displacement water supply

2gpm
water flow

50:1

fuel mix



Operates PowerGrit pipe cutting chain

UNCOMPROMISING

Equipped with an integrated water delivery system that continuously supplies water to the blade, the 680ES stands alone in reliability and value. Easy to start with a new multifunction lever to control choke, run and stop functions. The distinctive black powerhead houses specially designed carburetion and ignition systems that work together to ensure easy starting, cooler operation and dependable performance at just about any elevation. Available with 12-inch (30 cm) and 14-inch (35 cm) guidebars and the entire line of FORCE3 series diamond chain. With a quick switch of the guidebar, chain and drive sprocket, the 680ES can operate PowerGrit pipe cutting chain (10" (25 cm) cutting depth), designed to cut ductile iron pipe.

890F4 **HYDRAULIC POWER**



8 gpm model

6.0

horsepower

torque

7.0ft-lbs 8.0

horsepower

12 gpm model

10.0ft-lbs

torque

2500psi hydraulic supply

20psi water supply

2gpm water flow



UNYIELDING



The ICS 890 series hydraulic cutting system offers the superior strength of FORCE4 technology and is equipped with integrated water delivery system that continuously supplies water to the blade. From the redesigned, more durable rear handle, to the easy to replace drive sprocket, this hydraulic power cutter is engineered to stand up to your toughest jobs. In a package that exceeds industry standards, this sleek powerhouse is packed with features designed to keep up with you and your demanding jobs.



814PRO **HYDRAULIC POWER**



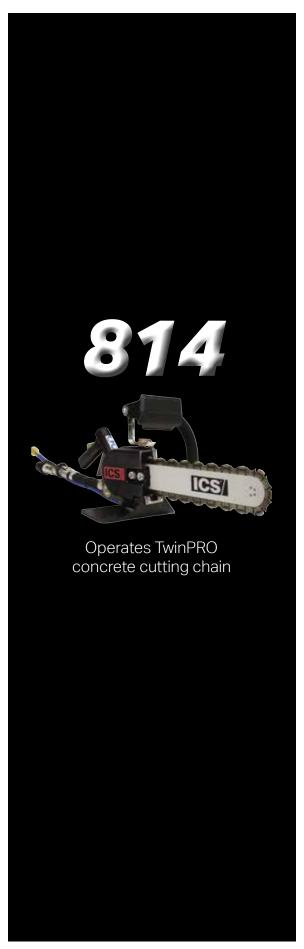
7.0ft-lbs 6.0

horsepower

torque

8gpm 2500psi 20psi 2gpm water supply water flow

hydraulic supply



UNFALTERING

It may be small, but with as much power as the 890 series, the 814PRO is ready for the big jobs. Lighter than other hydraulic power cutters with the ability to cut perfectly square openings as small as 3.5 inches (9 cm).

The 814PRO is equipped with an integrated water delivery system that continuously supplies water to the blade. It is also a natural for toothing out brick, tuck-pointing and other applications where a mix of portability and power are required.

701-A PNEUMATIC POWER



6.5 horsepower

90psi 124cfm 20psi

air supply requirements

water supply

2gpm
water flow





UNWAVERING

The ICS 701-A is built tough to stand up to everyday use in the harsh environment of concrete cutting. All our powerheads are designed for wet cutting and have an integrated water delivery system that continuously supplies water to the blade, you can cut with ease, speed and portability through reinforced concrete, brick, block, concrete pipe, ductile iron, cast iron, PVC and natural stone. The powerful ICS pneumatic power cutter is designed to cut through walls, floors and columns in a single pass.

DIAMOND CHAINS



UNSTOPPABLE



Diamond chains are not all created equal, so insist on
Diamond Chains from ICS. As the inventors of
Diamond Chain Technology™, ICS is committed to
continually improving the quality and versatility of its
chain to produce more power, better precision and
greater efficiency.

Each chain is specifically designed for different applications. Let us help you choose the right chain for your needs to ensure you get the best value for your purchase.



ICS Diamond Tools & Equipment

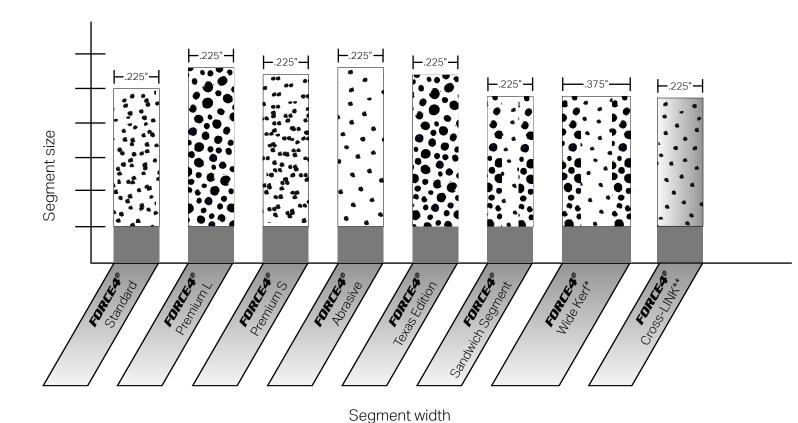
Chain Selection Chart

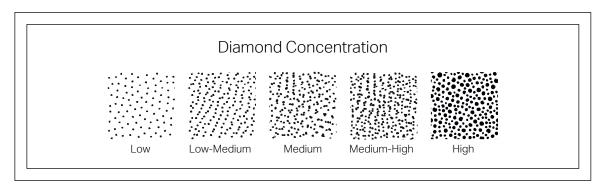
			/				
	a di di		(i) * / [i]		(a)	Ducine concess	Salesia C
	Power Cute	Tille of the state	6 6 6		Death of Sold Sold Sold Sold Sold Sold Sold Sold	To dia se to the second	
Chain Types							
FORCE3° General purpose	680ES GC 695XL GC		⋄ •	⋄			
FORCE3° Premium For harder materials	680ES GC 695XL GC		* *	**	**		
FORCE3° Brick Ideal for brick & block	680ES GC 695XL GC	***					
TwinPro™ General purpose	814PRO		*	⋄	* * *		
FORCE4° General purpose	890 Series 701-A 695XL F4		٥٥	**	*		
FORCE4° Premium L Longer Cutting life	890 Series 701-A 695XL F4		*	*	*		
FORCE4° Premium S Faster cutting speed	890 Series 701-A 695XL F4		•	⋄ •	**		
FORCE4° Abrasive Ideal for brick & block	890 Series 701-A 695XL F4	***					
FORCE4° Texas Edition Excellent for very hard aggregate	890 Series 701-A 695XL F4				***		
FORCE4° Sandwich Segment Longer side clearance	890 Series 701-A 695XL F4		•	٥٥	**		
FORCE4° Cross-LINK Faster cutting. longer lasting	890 Series 701-A 695XL F4		* * *	**	* * *		
FORCE4° Wide Kerf Designed for specific applications	890 Series 701-A 695XL F4		*	⋄ •	*		
PowerGrit® General purpose utility pipe	890 Series 701-A 695XL PG 680ES PG					**	
PowerGrit® XL Improved performance in utility pipe	890 Series 701-A 695XL PG 680ES PG					***	**

^{*} Asbestos is a hazardous material, known to cause serious respiratory diseases. Cutting into asbestos can release asbestos fibers into the air. Always research and follow the correct safety procedures, including applicable national and state or provisional occupational health and safety regulations, and protect yourself and those around you from asbestos-related disease. Always arrange for the material to be removed safely by a qualified person. ICS is not responsible for exposure to asbestos caused by use of this product.



FORCE4 Segment Variation





^{*} volume difference related to width not represented

^{**} full house configuration



















Designed to be the strongest, longest-lasting diamond chains ever made, the FORCE4 series delivers unrivaled performance in professional cutting applications. With eight different configurations, there is a FORCE4 chain to meet any cutting challenge.



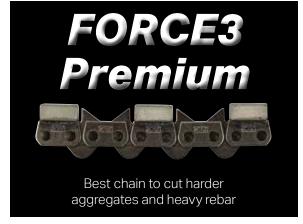






Designed to be used with the full line of ICS gas power cutters, these chains offer the ultimate combination of versatility and affordability. Available in three configurations to match your specific application and cutting challenges.















Utilized by public and private water and wastewater departments worldwide, this patented technology exclusively from ICS is designed to cut a variety of materials from ductile iron to plastic pipe. Featuring a brazed layer diamond coating on our FORCE4 platform, this chain makes your job safer, faster and easier.

ACCESSORIES & PARTS

Whether it's making cuts straighter or job sites cleaner, there's an ICS accessory that gets the job done. Nearly years of experience and a whole lot of ingenuity have gone into making these work-proven products indispensable complements to your ICS concrete or pipe cutting power cutter.

Hydraulic Hoses

Quick disconnect, 25 ft/7.5m long, 3000psi.



PART NUMBER	DESCRIPTION
70466	HYDRAULIC HOSES

Hydraulic Powerpack

A self-contained source of hydraulic power that is easily transportable to any job site.





PART NUMBER
M300-23HP-G-HPP

599653



8GPM MODEL P95

DESCRIPTION

MERIT POWERPACK

P95 POWERPACK

IC	55	G	ea	rb	ags	S

Available in 2 sizes.

Small size fits an assembled 695XL with up to a 14" guidebar



PART NUMBER	DESCRIPTION
582025	SMALL GEARBAG
582026	LARGE GEARBAG

SpeedHook®

Designed to support the weight of ICS hydraulic power cutters, dramatically reducing operator fatigue.



Pipe Clamp

The pipe clamp accessory developed for pipe application brings a whole new level of safety, accuracy and ease of use to the job.

Works with: 890F4 Series 701-A Series 880F4 Series 853PRO Series



Flow Adapter Valve

Power your ICS hydraulic power cutter from skid steers, backhoes, and other common construction equipment.

8 & 12 gpm available



PART NUMBER	DESCRIPTION
529551	SPEEDHOOK SYSTEM
<u> </u>	

PART NUMBER	DESCRIPTION
537640	PIPE CLAMP
537634	DIDE CLAMD AYLE

PART NUMBER	DESCRIPTION
70350	FLOW ADAPTOR 8 GPM
71287	FLOW ADAPTOR 12 GPM

ICS 2-Stroke Oil

An oil formula that is cleaner burning, and provides better thermal protection

50:1 Mix



PART NUMBER	DESCRIPTION
571227	OIL - 6-PACK 2.6 oz (77 ml)
571228	OIL - 24-PACK 2.6 oz (77 ml)

TSS™ Vacuum

An easy way to contain and dispose of slurry produced when cutting concrete, stone, or masonry.



DESCRIPTION
TSS-15 VACUUM SYSTEM
TSS-55 VACUUM SYSTEM
TSS VACUUM ATTACHMENT
TSS SQUEEGE
TSS ALUMINUM WAND

Portable Water Tank

When water isn't readily available, this 25 gallon, corrosion resistant water supply system, provides the solution.



PART NUMBER	DESCRIPTION
573285	PORTABLE WATER TANK

800.321.1240

FREQUENTLY ASKED QUESTIONS

WHEN DO I NEED TO REPLACE A CHAIN?

When the diamond segment has worn down to the welded pad on the chain chassis. Typically a chain will cut 40 – 80 (12 - 24m) linear feet in 6 in/15 cm concrete. On ICS hydraulic power cutter, this range is most often doubled.

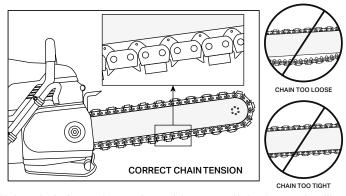




Worn PowerGrit chain

WHAT IS THE PROPER CHAIN TENSION?

All chains have a tendency to stretch when used. Diamond chains stretch more than wood cutting chains because of the abrasive materials they cut. If the chain is too tight, a lot of the power cutter's power goes into turning the chain rather than the cut. In extreme over-tightened cases, the power cutter may not be able to turn the chain at all. In addition, damage can occur to the bar nose and premature stretch may occur.



Ilf the chain is too loose, it could come off the bar, or it will allow the drive sprocket to spin without turning the chain, which can chew up drive links. When a chain stretches to a point where the drive links are hanging approximately 1/2 in. (12 mm) to 3/4 in. (18 mm) below the bar, it is time to tension the chain.

See ICS training videos for power cutter setup

REGARDING CUTTING PIPES THAT ARE FULL OF WATER...CAN I CUT INTO THE PIPE AND RELY ON THE WATER INSIDE TO COOL THE CHAINS (DIAMOND AND POWERGRIT)?

The cooling and lubrication for the chains needs to be delivered thru the power cutter/guidebar and therefore you must have a minimum of 20 psi/1.4 bar going through the power cutter.

CAN I POUR WATER ON THE CHAIN IF I DO NOT HAVE A WATER SOURCE DELIVERABLE THROUGH A HOSE?

The guidebar is designed with water channels that distribute water to the chain to lubricate and cool and also flush the chain of debris. Pouring water on the chain is not only dangerous, it will drastically increase chain stretch and reduce chain and bar life.

TO CUT CONCRETE, BRICK, BLOCK OR EVEN DUCTILE IRON PIPE. IS THE WATER REQUIREMENT DIFFERENT FOR THESE?

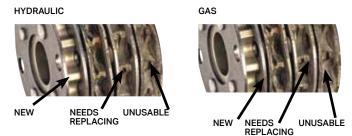
The water requirement for using the ICS diamond chain or the ICS Powergrit chain to cut any of the above is the same however if you can use more water, especially when cutting abrasive things like brick and block, more water helps to add to longer chain and guidebar life because it is flushing the abrasive materials away.

WHAT IF IT IS FREEZING OR BELOW FREEZING AND I CANNOT GET WATER TO MY POWER CUTTER BECAUSE THE HOSE OR POWER CUTTER IS FROZEN AND PLUGGED UP...CAN I MAKE MY CUT?

Water, as previously stated, is crucial to the performance of these chains. There are several different anti-freeze products you can use in this situation. Contact your regulatory agency for specific details.

WHEN DO I NEED TO REPLACE MY DRIVE SPROCKET?

Drive sprockets need to be replaced when the groove has worn 50% of the way through the top of the sprocket tooth. A rule of thumb, for the ICS gas power cutters, is every 2-4 chains and for the ICS hydraulic power cutters, is every 7-9 chains (depending on chain chassis).



CAN A DIAMOND CHAIN CUT REBAR?

Yes, number 4 or 5 (12 or 16 mm) bar is not a problem. Anything over number 8 (25 mm) is difficult. Large amounts of rebar will reduce chain life. Caution: rebar must be surrounded by concrete or aggregate material.

WILL POWERGRIT CUT STEEL?

PowerGrit pipe cutting chain is designed to cut ductile iron pipe, cast iron pipe, HDPE and PVC.

WHAT IS THE MIXTURE RATIO OF FUEL TO OIL?

Consult your operator manual for the proper fuel to oil mix recommendation.

WHAT STEPS SHOULD I TAKE DAILY TO MAINTAIN MY POWER CUTTER?

After each use, rinse the power cutter, bar and chain with water. Inspect all fasteners, sprocket, starter rope and air filter for wear. Oil the guidebar, diamond chain and bar nose sprocket and grease the chain tensioner.

WHAT IS THE BEST WAY TO BREAK IN A NEW CHAIN?

Opening up the diamonds will increase the cutting speed. To do this, make a few cuts into an abrasive material like cinder block.

For more information and to view instructional videos, please visit: ICSDIAMONDTOOLS.COM.

Global ICS Fit-Up Chart

Use the charts on these two pages to determine what ICS guidebar is compatible with your tool.

guiac		ipatible with your tool.	Series	695 GC Serie	F4 Serie	890 Hydrauli	701-A Pneum	Pentruder HF	814 Hydrauli	K950-K970	HCP Prime H	Stihl® RockB
			089	695	969	890	701-	Pent	814	K95(HCP	Stih
	71395	GUIDEBAR, (80CC/29SEG/58DL/12IN/30CM)	Х									
(0	513122	GUIDEBAR, (80CC/32SEG/64DL/14IN/35CM)	Х									
3/8 pitch gas bars	553207	GUIDEBAR, (90CC/29SEG/58DL/12IN/30CM)		Х						Χ	Χ	
gas	73600	GUIDEBAR, (90CC/32SEG/64DL/14IN/35CM)		Х						Χ	Χ	
oitch	71600	GUIDEBAR, 90CC/35SEG/70DL/16IN/40CM)		Х						Χ	Χ	
3/8 μ	560807	GUIDEBAR, (32SEG/64DL/14IN/35CM) GS461										Χ
	73605	GUIDEBAR, (32SEG/64DL/14IN/36CM) HUSQ.								Χ		
	70825	CUTTER'S EDGE Unbranded 14 Inch Bar										
ırs	579158	GUIDEBAR, 680PG	Х									
4 bs	524490	GUIDEBAR, F4(90CC/29SEG/54DL/16IN/40CM)			Х						Χ	
Gas FORCE4 bars	553208	GUIDEBAR, F4(90CC/25SEG/12IN/50DL/30CM)			Χ						Χ	
ls FC	573004	GUIDEBAR, F4 (25SEG/50DL/12IN/30CM) HUSQ			Χ							
Ga	573005	GUIDEBAR, F4 (29SEG/54DL/16IN/40CM) HUSQ			Х							
	74042	GUIDEBAR, (25SEG/50DL/13IN/33CM)							Χ			
ars	74050	GUIDEBAR, (25SEG/50DL/13IN/33CM) STANLEY										
lic b	71788	DP/HYDROSTRESS 12" - 31 SEG BAR										
pitch hydraulic bars	71429	DP/HYDROSTRESS 16" - 37 SEG BAR										
h hy	71430	DP/HYDROSTRESS 20" - 43 SEG BAR										
	71789	DP/HYDROSTRESS 24" - 49 SEG BAR										
3/8	72178	Guidebar, 15" for DS11										
	72284	Guidebar, 18" for DS11										
ars	529829	GUIDEBAR, F4 (25SEG/50DL/10IN/25CM)				Χ	Χ	Χ				
\ir ba	523080	GUIDEBAR, F4 (29SEG/50DL/15IN/38CM)				Χ	Χ	Χ				
J pu	529767	GUIDEBAR, FORCE4 (34SEG/20IN/50CM)				Χ	Χ	Χ				
lica	525320	GUIDEBAR, F4 (40SEG/80DL/25IN/63CM)				Χ	Χ	Χ				
	536161	GUIDEBAR, F4 (31SEG/18IN/45CM) STANLEY										
4 Hy	574351	GUIDEBAR, CS UNITEC F4 (25SEG/10IN)				Χ	Х	Х				
FORCE4 Hydraulic and Air bars	574352	GUIDEBAR, CS UNITEC F4 (29SEG/15IN)				Χ	Х	Χ				
요	574353	GUIDEBAR, CS UNITEC F4 (34SEG/20IN/50CM)				Χ	Х	Χ				

Power Cutter

		_	Cardi	Cedima ®	Dr. Bender	Demco	CS Unitec	Weka	Stanley	DP/Hydrstress	Cutter's Edge
	71395	GUIDEBAR, (80CC/29SEG/58DL/12IN/30CM)									
w	513122	GUIDEBAR, (80CC/32SEG/64DL/14IN/35CM)	X	Х							
3/8 pitch gas bars	553207	GUIDEBAR, (90CC/29SEG/58DL/12IN/30CM)									
gas	73600	GUIDEBAR, (90CC/32SEG/64DL/14IN/35CM)									
oitch	71600	GUIDEBAR, 90CC/35SEG/70DL/16IN/40CM)						Χ			
3/8	560807	GUIDEBAR, (32SEG/64DL/14IN/35CM) GS461									
	73605	GUIDEBAR, (32SEG/64DL/14IN/36CM) HUSQ.									
	70825	CUTTER'S EDGE Unbranded 14 Inch Bar									X
ars	579158	GUIDEBAR, 680PG									
4 b	524490	GUIDEBAR, F4(90CC/29SEG/54DL/16IN/40CM)				Χ					
SCE	553208	GUIDEBAR, F4(90CC/25SEG/12IN/50DL/30CM)									
Gas FORCE4 bars	573004	GUIDEBAR, F4 (25SEG/50DL/12IN/30CM) HUSQ									
ဗိ	573005	GUIDEBAR, F4 (29SEG/54DL/16IN/40CM) HUSQ									
	74042	GUIDEBAR, (25SEG/50DL/13IN/33CM)									
ars	74050	GUIDEBAR, (25SEG/50DL/13IN/33CM) STANLEY							Χ		
draulic bars	71788	DP/HYDROSTRESS 12" - 31 SEG BAR								Χ	
	71429	DP/HYDROSTRESS 16" - 37 SEG BAR								Χ	
h hy	71430	DP/HYDROSTRESS 20" - 43 SEG BAR								Χ	
3/8 pitch hy	71789	DP/HYDROSTRESS 24" - 49 SEG BAR								Χ	
3/8	72178	Guidebar, 15" for DS11							Χ		
	72284	Guidebar, 18" for DS11							Χ		
ars	529829	GUIDEBAR, F4 (25SEG/50DL/10IN/25CM)		Х	Х		Х				
\ir ba	523080	GUIDEBAR, F4 (29SEG/50DL/15IN/38CM)		Х	Χ		Х				
bu	529767	GUIDEBAR, FORCE4 (34SEG/20IN/50CM)		Х	Х		Х				
lic a	525320	GUIDEBAR, F4 (40SEG/80DL/25IN/63CM)		Х	Х		Х				
drau	536161	GUIDEBAR, F4 (31SEG/18IN/45CM) STANLEY							Χ		
4 Hy	574351	GUIDEBAR, CS UNITEC F4 (25SEG/10IN)									
FORCE4 Hydraulic and Air bars	574352	GUIDEBAR, CS UNITEC F4 (29SEG/15IN)									
_ 	574353	GUIDEBAR, CS UNITEC F4 (34SEG/20IN/50CM)									

POWER CUTTERS & CONSUMABLES

695GC GAS POWER CUTTERS AND CONSUMABLES (3/8 PITCH)					
	guidebars, diamond Chains and drive sprockets fit 633GC				
P/N	Description				
581192	ICS 695XL GC Powerhead				
576150	ICS 695XL-12 GC Gas Power Cutter Pkg, with 12 in/30 cm Guidebar & FORCE3 Chain				
575863	ICS 695XL-14 GC Gas Power Cutter Pkg, with 14 in/35 cm Guidebar & FORCE3 Chain				
575865	ICS 695XL-16 GC Gas Power Cutter Pkg, with 16 in/40 cm Guidebar & FORCE3 Chain				
584290	ICS FORCE3 Chain 12 in/30 cm, 58 Drive Links				
584292	ICS FORCE3 Chain 14 in/35 cm, 64 Drive Links				
584294	ICS FORCE3 Chain 16 in/40 cm, 70 Drive Links				
584298	ICS FORCE3 Premium Chain 12 in/30 cm, 58 Drive Links				
584302	ICS FORCE3 Premium Chain 14 in/35 cm, 64 Drive Links				
584303	ICS FORCE3 Premium Chain 16 in/40 cm, 70 Drive Links				
584297	ICS FORCE3 Brick Chain 12 in/30 cm, 58 Drive Links				
584299	ICS FORCE3 Brick Chain 14 in/35 cm, 64 Drive Links				
584301	ICS FORCE3 Brick Chain 16 in/40 cm, 70 Drive Links				
553207	ICS 695GC Guidebar 12 in/30 cm				
73600	ICS 695GC Guidebar 14 in/35 cm				
71600	ICS 695GC Guidebar 16 in/40 cm				

695 - GAS

guidebars, diamond Chains and drive sprockets fit 633F4				
P/N	Description			
575826	ICS 695XL F4 Powerhead			
576151	ICS 695XL-12 F4 Gas Power Cutter Pkg, with 12 in/30 cm FORCE4 Guidebar & FORCE4 Chain			
575872	ICS 695XL-16 F4 Gas Power Cutter Pkg with 16 in/40 cm FORCE4 Guidebar & FORCE4 Chain			
575827	ICS 695XL-16 PG Gas Power Cutter Pkg with 16 in/40 cm FORCE4 Guidebar & PowerGrit Chain			
531743	ICS FORCE4-25 Chain 12 in/30 cm			
525342	ICS FORCE4-29 Chain 16 in/40 cm			
531745	ICS FORCE4-25 Premium L Chain 12 in/30 cm			
525343	ICS FORCE4-29 Premium L Chain 16 in/40 cm			
531739	ICS FORCE4-25 Premium S Chain 12 in/30 cm			
531735	ICS FORCE4-29 Premium S Chain 16 in/40 cm			
531747	ICS FORCE4-25 Abrasive Chain 12 in/30 cm			
525344	ICS FORCE4-29 Abrasive Chain 16 in/40 cm			
599881	ICS FORCE4-50 Cross-LINK Chain 12 in/30 cm			
599882	ICS FORCE4-58 Cross-LINK Chain 16 in/40 cm			
605443	ICS FORCE4-25 Sandwich Segment Chain 12 in/30 cm			
605414	ICS FORCE4-29 Sandwich Segment Chain 16 in/40 cm			
598280	ICS FORCE4-25 Texas Edition Chain 12 in/30 cm			
598281	ICS FORCE4-29 Texas Edition Chain 16 in/40 cm			
571504	ICS FORCE4-25 Premium S wide kerf (.375) Chain 12 in/30 cm			
570943	ICS FORCE4-29 Premium S wide kerf (.375) Chain 16 in/40 cm			
537764	ICS PowerGrit Chain 16 in/40 cm			
547641	ICS PowerGrit Chain 12 in/30 cm			
608233	ICS PowerGrit XL Chain 12 in/30 cm			
607664	ICS PowerGrit XL Chain 16 in/40 cm			
553208	ICS 695F4 Guidebar 12 in/30 cm			
524490	24490 ICS 695F4 Guidebar 16 in/40 cm			

POWER CUTTERS & CONSUMABLES

680GC GAS POWER CUTTERS AND CONSUMABLES					
	guidebars, diamond Chains and drive sprockets fit 613GC				
P/N	Description				
576155	ICS 680ES Powerhead				
576154	ICS 680ES-12 GC Gas Power Cutter Pkg, with 12 in/30 cm Guidebar & FORCE3 Chain				
576153	ICS 680ES-14 GC Gas Power Cutter Pkg, with 14 in/35 cm Guidebar & FORCE3 Chain				
580423	ICS 680ES-10 PG Gas Power Cutter Pkg, with 10 in/25 cm Guidebar & PowerGrit Chain	36			
584290	ICS FORCE3 Chain 12 in/30 cm, 58 Drive Links	$\frac{1}{2}$			
584292	ICS FORCE3 Chain 14 in/35 cm, 64 Drive Links				
584297	ICS FORCE3 Brick Chain 12 in/30 cm, 58 Drive Links				
584299	ICS FORCE3 Brick Chain 14 in/35 cm, 64 Drive Links	7			
584298	ICS FORCE3 Premium Chain 12 in/30 cm, 58 Drive Links				
584302	ICS FORCE3 Premium Chain 14 in/35 cm, 64 Drive Links				
580424	ICS 680 PowerGrit Chain 10 in/25 cm (48 drive links)				
608234	ICS 680 PowerGrit XL Chain 10in/25cm (48 drive links)				
579158	ICS 680 PowerGrit Guidebar 10 in/25 cm				
71395	ICS 680GC Guidebar 12 in/30 cm				
513122	ICS 680GC Guidebar 14 in/35 cm				

	814PRO HYDRAULIC POWER CUTTER AND CONSUMABLES	∞
75256	ICS 814PRO Powerhead 8 gpm/30 lpm	4
71675	ICS 814PRO Hydraulic Power Cutter Pkg, 8 gpm/30 lpm, 13 in/33 cm Guidebar & TwinPRO Chain	
74719	ICS TwinPRO-25 Chain 13 in/33 cm	
74042	ICS 814PRO Guidebar 13 in/33 cm	
		R

800.321.1240

ICS Diamond Tools & Equipment

POWER CUTTERS & CONSUMABLES

		890F4 HYDRAULIC POWER CUTTERS AND CONSUMABLES				
		guidebars, diamond Chains and drive sprockets fit the 880 series power cutters				
	890 F4 HYDRAULIC POWERHEADS					
	P/N	Description				
	566110	ICS 890F4 Hydraulic Powerhead 8 gpm/30 lpm, 1 ft/30 cm hose whips				
	566355	ICS 890F4 Hydraulic Powerhead8 gpm/30 lpm, 8 ft/2.5m hose whips				
	566112	ICS 890F4 Hydraulic Powerhead12 gpm/45 lpm, 1 ft/30 cm hose whips				
	566116	ICS 890F4 Hydraulic Powerhead12 gpm/45 lpm, 8 ft/2.5m hose whips				
	566113	ICS 890F4 Hydraulic Flush Cut Powerhead 8 gpm/30 lpm, 1 ft/30 cm hose whips				
	566351	ICS 890F4 Hydraulic Flush Cut Powerhead 8 gpm, 8 ft/2.5m hose whips				
	566114	ICS 890F4 Hydraulic Flush Cut Powerhead 12 gpm/45 lpm, 1 ft/30 cm hose whips				
	566117	ICS 890F4 Hydraulic Flush Cut Powerhead 12 gpm/45 lpm, 8 ft/2.5m hose whips				
		890 FORCE4 HYDRAULIC POWER CUTTER PACKAGES - 8GPM/30 LPM				
	566127	ICS 890F4-15 -15 in/38 cm Guidebar, ProFORCE Chain, 1 ft/30 cm hose whips, case				
\subseteq	566717	ICS 890F4-15 - 15 in/38 cm Guidebar, ProFORCE Chain, 8 ft/2.5m hose whips, case				
890 HYDRAULIC		890 POWERGRIT HYDRAULIC POWER CUTTER PACKAGES - 8GPM/30 LPM				
	566123	ICS 890PG-15 - 15 in/38 cm Guidebar, PowerGrit Chain, 1 ft/30cm hose whips, case				
\leq	566710	ICS 890PG-15 - 15 in/38 cm Guidebar, PowerGrit Chain, 8 ft/2.5m hose whips, case				
\vdash	566124	ICS 890PG-20 - 20 in/50 cm Guidebar, PowerGrit Chain, 1 ft/30 cm hose whips, case				
\vee	566711	ICS 890PG-20 - 20 in/50 cm Guidebar, PowerGrit Chain, 8 ft/2.5m hose whips, case				
+		890 POWERGRIT HYDRAULIC POWER CUTTER PACKAGES - 12GPM/45 LPM				
	566125	ICS 890PG-15 - 15 in/38 cm Guidebar, PowerGrit Chain, 1 ft/30 cm hose whips, case				
\mathcal{I}	566712	ICS 890PG-15 - 15 in/38 cm Guidebar, PowerGrit Chain, 8 ft/2.5m hose whips, case				
$\widetilde{\Omega}$	566126	ICS 890PG-20 - 20 in/50 cm Guidebar, PowerGrit Chain, 1 ft/30 cm hose whips, case				
	566716	ICS 890PG-20 - 20 in/50 cm Guidebar, PowerGrit Chain, 8 ft/2.5m hose whips, case				
	890 F4 POWERGRIT PIPE CUTTING CONSUMABLES					
	547641	ICS PowerGrit Chain 10 in/25 cm				
	537764	ICS PowerGrit Chain 15 in/38 cm				
	537765	ICS PowerGrit Chain 20 in/50 cm				
	545017	ICS PowerGrit Chain 25 in/63 cm				
	608233	ICS PowerGrit XL Chain 10 in/25 cm				
	607664	ICS PowerGrit XL Chain 15 in/38 cm				
	608216	ICS PowerGrit XLChain 20 in/50 cm				
	608215	ICS PowerGrit XL Chain 25 in/63 cm				
	529829	ICS Force4 Guidebar 10 in/25 cm				
	523080	ICS Force4 Guidebar 15 in/38 cm				
	529767	ICS Force4 Guidebar 20 in/50 cm				
	525320	ICS Force4 Guidebar 25 in/63 cm				

\bigcirc	701-A PNEUMATIC POWER CUTTERS			
$\overline{\square}$	P/N	Description		
\triangleleft	573511	ICS 701-A Powerhead, pneumatic		
\geq	574171 ICS 701-A Power Cutter Pkg with 15 in/38 cm Guidebar, PowerGrit chain			
\equiv	574172 ICS 701-A Power Cutter Pkg with 20 in/50 cm Guidebar, PowerGrit chain			
\Box	574173 ICS 701-A Power Cutter Pkg with 15 in/38 cm Guidebar, ProFORCE chain			
$\overline{}$				

icsdiamondtools.com

POWER CUTTERS & CONSUMABLES

	890F4 HYDRAULIC & 701-A PNEUMATIC POWER CUTTER CONSUMABLES	
P/N	Description	
531743	ICS FORCE4-25 Chain 10 in/25 cm	
525342	ICS FORCE4-29 Chain 15 in/38 cm	
531749	ICS FORCE4-34 Chain 20 in/50 cm	
525345	ICS FORCE4-40 Chain 25 in /63 cm	
531745	ICS FORCE4-25 Premium L Chain 10 in/25 cm	
525343	ICS FORCE4-29 Premium L Chain 15 in/38 cm	
531751	ICS FORCE4-34 Premium L Chain 20 in/50 cm	
525346	ICS FORCE4-40 Premium L Chain 25 in/63 cm	$-\infty$
531739	ICS FORCE4-25 Premium S Chain 10 in/25 cm	
531735	ICS FORCE4-29 Premium S Chain 15 in/38 cm	
531741	ICS FORCE4-34 Premium S Chain 20 in/50 cm	_
531737	ICS FORCE4-40 Premium S Chain 25 in/63 cm	
531747	ICS FORCE4-25 Abrasive Chain 10 in/25 cm	
525344	ICS FORCE4-29 Abrasive Chain 15 in/38 cm	
531753	ICS FORCE4-34 Abrasive Chain 20 in/50 cm	
525347	ICS FORCE4-40 Abrasive Chain 25 in/63 cm	
571504	ICS FORCE4-25 Premium S wide kerf (.375) Chain 10 in/25 cm	
570943	ICS FORCE4-29 Premium S wide kerf (.375) Chain 15 in/38 cm	$ $ $\breve{\Box}$
571505	ICS FORCE4-34 Premium S wide kerf (.375) Chain 20 in/50 cm	W
571506	ICS FORCE4-40 Premium S wide kerf (.375) Chain 25 in/63 cm	\square
599881	ICS FORCE4-50 Cross-LINK Chain 10 in/25 cm 20 in/50 cm	
599882	ICS FORCE4-58 Cross-LINK Chain 15 in/38 cm	()
599883	ICS FORCE4-68 Cross-LINK Chain 20 in/50 cm	
599884	ICS FORCE4-80 Cross-LINK Chain 25 in/63 cm	
605443	ICS FORCE4-25 Sandwich Segment Chain 10 in/25 cm	-
605414	ICS FORCE4-29 Sandwich Segment Chain 15 in/38 cm	
605400	ICS FORCE4-34 Sandwich Segment Chain 20 in/50 cm	-
604399	ICS FORCE4-40 Sandwich Segment Chain 25 in/63 cm	-
598280	ICS FORCE4-25 Texas Edition Chain 10 in/25 cm	-
598281	ICS FORCE4-29 Texas Edition Chain 15 in/38 cm	
598282	ICS FORCE4-34 Texas Edition Chain 20 in/50 cm	
598283	ICS FORCE4-40 Texas Edition Chain 25 in/63 cm	— 工
529829	ICS Force4 Guidebar 10 in/25 cm	$\square \triangleright$
523080	ICS Force4 Guidebar 15 in/38 cm	
529767	ICS Force4 Guidebar 20 in/50 cm	— <u>~</u>
525320	ICS Force4 Guidebar 25 in/63 cm	
	890F4 HYDRAULIC & 701-A PNEUMATIC PIPE CUTTING Chain	
547641	ICS PowerGrit Chain 10 in/25 cm	
537764	ICS PowerGrit Chain 15 in/38 cm	
537765	ICS PowerGrit Chain 20 in/50 cm	
545017	ICS PowerGrit Chain 25 in/63 cm	
608233	ICS PowerGrit XL Chain 10 in/25 cm	
607664	ICS PowerGrit XL Chain 15 in/38 cm	
608216	ICS PowerGrit XLChain 20 in/50 cm	
608215	ICS PowerGrit XL Chain 25 in/63 cm	

* ICS Diamond Tools & Equipment

695XL TECHNICAL SPECIFICATIONS

Bar Cutting Depth	PowerGrit/PowerGrit XL 12in/30cm, 16 in/40cm FORCE3 12in/30cm, 14 in/35cm, 16 in/40cm FORCE4 12 in/30cm, 16 in/40cm			
Powerhead Weight	21 lbs/9.6 kg			
Engine Speed	9300 +/- 150 rpm (max)			
Idling Speed	2700 +/- 100 rpm			
Horsepower	6.4 hp (4.8 kW) @ 9000 rpm			
Engine Type	2-stroke, single cylinder, air cooled			
Displacement	5.7 cu inch (94 cc)			
Powerhead Dimensions	18"L x 14" H x 12" W (46 cm x 36 cm x 30 cm)			
Guaranteed Sound Power Level, Lwa (1)	115 dB(A); (Kwa = 1.0 dB(A))			
Sound Pressure Level, at Operator's Ear Lwa (1)	104.6 dB(A): (K = 1.0 dB(A))			
Vibration, a hv, eq Concrete Cutting (2)	3.6 m/s² (K=0.2 m/s²) Front Handle 3.1 m/s² (K=0.2 m/s²) Rear Handle			
Vibration, a hv, eq Pipe Cutting (2)	5.62 m/s² (K=0.2 m/s²) Front Handle 5.28 m/s² (K=0.2 m/s²) Rear Handle			
Water Supply Requirement	Minimum of 20 psi (1.4 bar)			
Water Flow Requirement	Minimum: 2 gpm (8 lpm)			
Fuel Mix Ratio	50:1 (2%) fuel-to-oil			
Fuel Capacity	0.26 gal (1.0 liter)			
1) Measured in accordance with ANSI S12.51-2012/ISO3741:2010				

680ES TECHNICAL SPECIFICATIONS

Bar Cutting Depth	FORCE3 12in/30cm, 14 in/35cm PowerGrit/PowerGrit XL 10in/25cm	
Powerhead Weight	21 lbs/9.6 kg	
Engine Speed	11500 +/- 500 rpm (max)	
Idling Speed	2800-3200 rpm	
Horsepower	5 hp (3.7 kW)	
Engine Type	2-stroke, single cylinder, air cooled	
Displacement	4.7 cu inch (76.5 cc)	
Powerhead Dimensions	18"L x 11.5" H x 10" W (46 cm x 29 cm x 25 cm)	
Guaranteed Sound Power Level, Lwa (1)	117 dB(A): (Kwa = 3.0 dB(A))	
Sound Pressure Level, at Operator's Ear Lwa(1)	101.0 dB(A); (K = 2.0 dB(A))	
Vibration, a hv, eq Concrete Cutting (2)	7.2 m/s² (K=1.0 m/s²) Front Handle 8.5 m/s² (K=1.0 m/s²) Rear Handle	
Water Supply Requirement	Minimum of 20 psi (1.4 bar)	
Water Flow	Minimum: 2 gpm (8 lpm)	
Fuel Mix Ratio	50:1 (2%) fuel-to-oil	
Fuel Capacity	0.23 gal (0.88 liter)	

⁽¹⁾ Measured in accordance with ANSI S12.51-2012/ISO3741:2010 (2) Measured in accordance with ISO5349-1:2001 and ISO22867:2011

814PRO TECHNICAL SPECIFICATIONS

Bar Cutting Depth	TwinPRO™ 13 inches (33 cm)	
Powerhead weight	15 lbs (6.8 kg)	
Motor Speed	8800 rpm	
Powerhead Dimensions	14.3 inches (36.3 cm) Length 11.3 inches (28.7 cm) Height 9.2 inches (23.4 cm) Width	
Torque	7.0 ft-lbs (9.6 Nm)	
Horsepower ⁽¹⁾	6 hp (4.5 kW)	
Hydraulic Supply	8 gpm (30 lpm), 2500 psi (172.5 bar)	
Noise Level	88 dB @ 3 ft (1 m)	
Vibration Level	3.5 m/s² (front handle)	
Water Supply Requirement	2 gpm (8 lpm) minimum	
Water Flow	Minimum 20 psi (1.4 bar)	

^{*} product data shown is rated based on maximum input conditions and efficiency assumptions may vary dependent on power supply.

^{*}Guidebars, chains and drive sprockets fit 613GC

⁽¹⁾ Measured in accordance with ANSI S12.51-2012/ISO3741:2010

⁽²⁾ Measured in accordance with ISO5349-1:2001, ISO22867:2011 and ISO19432:201

^{*}Guidebars, chains and drive sprockets fit 633GC & 633F4

⁽¹⁾ Measured using 18HP hydraulic power pack (8 gpm/30 lpm and 23HP hydraulic power pack (12 gpm/45 lpm) at 2000psi/138 bar.

890F4 TECHNICAL SPECIFICATIONS

03014 IECHNICAE SI ECH ICATIONS					
	8 gpm (30 lpm)	12 gpm (45 lpm)			
Bar Cutting Depth	FORCE4 & PowerGrit/PowerGrit XL 10 in/25 cm, 15 in/38 cm, 20 in/50 cm, 25 in/63 cm				
Powerhead Weight (1' hose whips)	23.5 lbs (10.6 kg)				
Length	23 inches (58.5 cm)				
Height	10.5 inche	s (26.5 cm)			
Width	9.5 inche	es (24 cm)			
Hydraulic Supply	8 gpm (30 lpm) @ 2,500 psi (172.5 bar)	12 gpm (45 lpm) @ 2,500 psi (172.5 bar)			
Hydraulic Fluid Requirements (Type)	PC HYDREX MV32 or equivalent				
Water Supply Requirements	Minimum: 20 psi (1.4 bar)				
Water Flow	2 gpm (8 lpm) minimum				
Operating Speed	6,100 rpm (avg. free running) 5,500 sfm (avg. free running chain)	6,500 rpm (avg. free running) 5,800 sfm (avg. free running chain)			
Torque*	7.0 ft-lbs (9.6 Nm)	10.0 ft-lbs (13.5 Nm)			
Horsepower (1)*	6 hp (4.5 kW)	8 hp (6.0 kW)			
Guaranteed Sound Power Level L _{wa} (2)	107 dB(A) (K=0.2 dB(A))				
Equivalent Sound Pressure at the Operator's Ear L _{pA} (2)	98 dB(A) (K=0.7 dB(A))				
Vibration a _{hv, eq} Concrete Cutting (3)	2.0 m/s² (K=0.1 m/s²) Front Handle 6.0 m/s² (K=1.4 m/s²) Rear Handle				
Vibration a _{hv, eq} PowerGrit Cutting (3)	4.6 m/s² (K=0.1 m/s²) Front Handle 4.8 m/s² (K=0.3 m/s²) Rear Handle				

701-A TECHNICAL SPECIFICATIONS

Bar Cutting Depth	FORCE4 & PowerGrit/PowerGrit XL 10 in/25 cm, 15 in/38 cm, 20 in/50 cm, 25 in/63 cm
Powerhead Weight	29 lbs (13 kg)
Powerhead Dimensions	20" L x 10.5" H x 12" W (58.5 cm x 26.5 cm x 30.5 cm)
Air Motor Power	6.5hp (5 kW)
Air Supply Requirements (maximum)	90 psi (6 bar) 124 cfm (3.5 m³/min)
Motor lubrication	Resin and acid-free SAE 5 W to SAE 10 W oil
Water Supply Requirements	Minimum: 20 psi (1.4 bar)
Water Flow	Minimum: 2 gpm (8 lpm)
Operating Speed	5,700 rpm (average free running) 4,900 sfm (average free running chain)
Vibration ahv, eq Concrete Cutting (2)	Front handle: 5.09 m/s² (K=0.2 m/s²) Rear handle: 5.07 m/s² (K=0.2 m/s²)
Vibration ahv, eq PowerGrit Cutting (2)	Front handle: 4.58 m/s² (K=0.2 m/s²) Rear handle: 4.43 m/s² (K=0.2 m/s²)
Guaranteed Sound Power Level Lwa (1)	113 dB(A); (Kwa=0.5 dB(A))

⁽¹⁾ Measured in accordance with ANSI S12.51-2012/ISO3741:2010 (2) Measured in accordance with ISO5349-1:2001 and ISO22867:2011

^{*}Guidebars, chains and drive sprockets fit 880F4
(1)Measured using 18HP hydraulic power pack (8 gpm/30 lpm and 23HP hydraulic power pack (12 gpm/45 lpm) at 2000psi/138 bar.
(2) Measured in accordance with ISO3744:2010

⁽³⁾ Measured in accordance with ISO5349-1:2001

^{*} Output ratings based on maximum input conditions and efficiency assumptions and may vary depending on power supply.





| SMALL OPENINGS

Plunge straight into thick walled concrete, and create small openings with no overcuts.

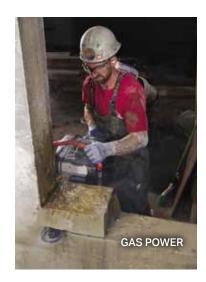


| CURB CUTTING

The depth-of-cut possible with a concrete power cutter makes curb cuts like this possible without damaging surrounding materials.







/ WORKHORSE

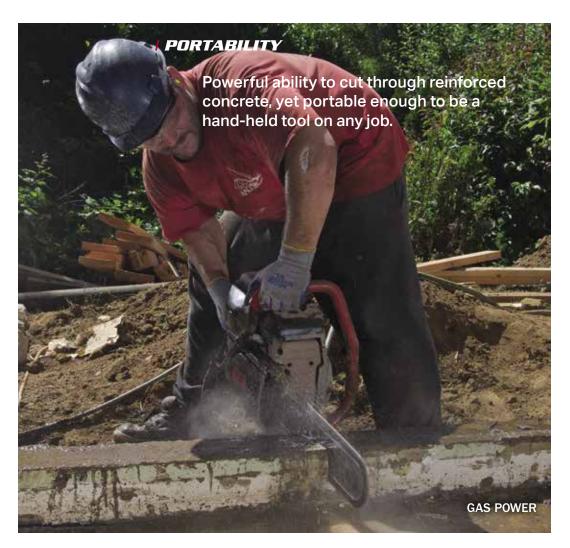
Designed for the extreme duty cycle required to tackle any job.

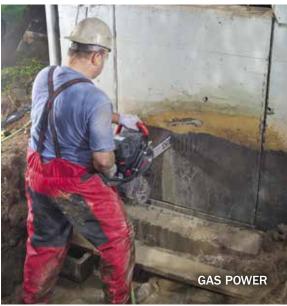


| MULTIPURPOSE

From precision vent or window installations to controlled demolition, our ICS power cutter is one of the most versatile tools on the job site.

800.321.1240







| FOUNDATIONS

Cut through foundations from one side with no overcuts. This tool is perfect for egress openings and any other job where precision is required.









| UTILITY

Our pipe cutting power cutter addresses operator safety with revolutionary grinding technology, virtually eliminating rotational kickback and improving operator positioning. Utilized by public Water and and private water and wastewater departments worldwide. The patented technology, exclusively from ICS, is designed to cut a variety of materials, from ductile iron to plastic pipe with far less excavation. The ability to cut up to 25 in/63 cm pipe completely from one side radically reduces the difficulty of the job. Complete your next job safer, faster and easier.







800.321.1240



ICS, Blount Inc. 4909 SE International Way Portland, OR 97222 800.321.1240

ICSDIAMONDTOOLS.COM