ICS®

Diamond Tools and Equipment
for Construction and Infrastructure

Product Catalog

ICSDIAMONDTOOLS.COM.AU

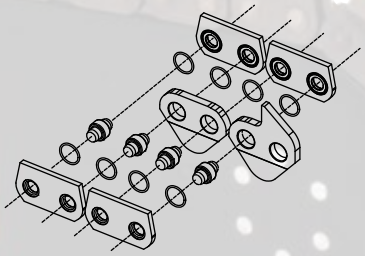
Diamond Tools and Equipment

Our commitment is to help professionals get their job done right. We have been the leader in chain based concrete and pipe cutting solutions for over 25 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.

Our chain, and our best-in-class bars and powerheads give you a cutting system that can plunge cut up to 25" deep, cut tight radiuses and clean square corners with no overcutting. 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



There 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. The precision and versatility you've come to expect from ICS in addition to the perfect blend of power and efficiency. Diamond segments laser-welded to a steel chassis grind through concrete, stone and masonry, eliminating kickback and the damage that percussive methods can cause. 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.

SealPro® Anti-Stretch Technology

SealPRO® ADVANCED

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Gas Power

695XL TECHNICAL SPECIFICATIONS

Bar Cutting Depth	12in/25cm, 16 in/40cm PowerGrit® 12in/30cm, 14 in/35cm, 16 in/40cm FORCE3™ 12 in/30 cm, 16 in/40 cm FORCE4®
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/s^2 (K=0.2 m/s^2) Front Handle 3.1 m/s^2 (K=0.2 m/s^2) Rear Handle
Vibration, a hv, eq Pipe Cutting (2)	5.62 m/s^2 (K=0.2 m/s^2) Front Handle 5.28 m/s^2 (K=0.2 m/s^2) 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
(2) Measured in accordance with ISO5349-1:2001, ISO22867:2011 and ISO19432:2012

695XL - F4 - Gas
Cutting an egress window
Portland, OR - 2015

695XL

Equipped with integrated water delivery system that continuously feeds water to the blade, the 695XL features also include: an easy-to-start engine with higher energy ignition system and durable, long-lasting components including a new muffler, carburetor and piston & cylinder. Available for the entire line of FORCE3™, FORCE4® and PowerGrit® series diamond chains. Based on the best-selling 695 power cutter platform, the 695XL is the highest horsepower ICS gas power cutter for frequent-use by general construction, utility contractors and concrete professionals.

695XL-GC

695XL-F4 695XL-PG

695XL-GC GAS POWER CUTTER AND CONSUMABLES*

PART NUMBER	DESCRIPTION
581192	ICS 695XL GC Powerhead
576150	ICS 695XL-12 GC Package, with 12 in/30 cm Guidebar & FORCE3 Chain
575863	ICS 695XL-14 GC Package, with 14 in/35 cmGuidebar & FORCE3 Chain
575865	ICS 695XL-16 GC Package, with 16 in/40 cm Guidebar & FORCE3 Chain
584290	FORCE3 chain, 58DL (12 INCH/30CM)
584292	FORCE3 chain, 64DL (14 INCH/35CM)
584294	FORCE3 chain, 70DL (16 INCH/40CM)
584297	FORCE3 Brick chain, 58DL (12 INCH/30CM)
584299	FORCE3 Brick chain, 64DL (14 INCH/35CM)
584301	FORCE3 Brick chain, 70DL (16 INCH/40CM)
584298	FORCE3 Premium chain, 58DL (12 INCH/30CM)
584303	FORCE3 Premium chain, 64DL (14 INCH/35CM)
584302	FORCE3 Premium chain, 70DL (16 INCH/40CM)
553207	ICS 695GC Guidebar 12 in/30 cm
73600	ICS 695GC Guidebar 14 in/35 cm
71600	ICS 695GC Guidebar 16 in/40 cm
70949	ICS 695GC Drive Sprocket
543904	ICS 695XL-GC Premium Tensioner Kit
544120	Tensioning Scrench

695XL-F4/PG GAS POWER CUTTER AND CONSUMABLES**

PART NUMBER	DESCRIPTION
575826	ICS 695XL F4 Powerhead
576151	ICS 695XL-12 F4 Package, with 12 in/30 cm FORCE4 Guidebar & FORCE4 Chain
575872	ICS 695XL-16 F4 Package with 16 in/40 cm FORCE4 Guidebar & FORCE4 Chain
575827	ICS 695XL-16 PG Package 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
537764	ICS PowerGrit 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
553208	ICS 695F4 Guidebar 12 in/30 cm
524490	ICS 695F4 Guidebar 16 in/40 cm
525496	ICS 695F4 Drive Sprocket
543904	ICS 695XL - F4/PG Premium Tensioner Kit
544120	Tensioning Scrench

See the entire list of our guidebar and chain compatibility on pages 22-23.

*Guidebars, chains and drive sprockets fit 633GC
**Guidebars, chains and drive sprockets fit 633F4

Gas Power

680ES TECHNICAL SPECIFICATIONS

Bar Cutting Depth	10in/25cm PowerGrit® only 12in /30cm, 14 in/35cm FORCE3™
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/s^2 (K=1.0 m/s^2) Front Handle 8.5 m/s^2 (K=1.0 m/s^2) 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

680ES - Gas
Cutting an egress window
Seattle, WA, 2015

680ES

Equipped with integrated water delivery system that continuously feeds water to the blade and built to meet the operation and flexibility demands of the general construction user, the 680ES stands alone in terms of 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.

680ES

680PG

680ES-GC GAS POWER CUTTERS AND CONSUMABLES*

PART NUMBER	DESCRIPTION
576155	ICS 680ES Powerhead
576154	ICS 680ES-12 GC Package, with 12 in/30 cm Guidebar & FORCE3 Chain
576153	ICS 680ES-14 GC Package, with 14 in/35 cm Guidebar & FORCE3 Chain
584290	FORCE3 chain, 58DL (12 INCH/30CM)
584292	FORCE3 chain, 64DL (14 INCH/35CM)
584297	FORCE3 Brick chain, 58DL (12 INCH/30CM)
584299	FORCE3 Brick chain, 64DL (14 INCH/35CM)
584298	FORCE3 Premium chain, 58DL (12 INCH/30CM)
584303	FORCE3 Premium chain, 64DL (14 INCH/35CM)
71395	ICS 680GC Guidebar 12 in/30 cm
513122	ICS 680GC Guidebar 14 in/35 cm
70949	ICS 680GC Drive Sprocket
73935	ICS 680ES Premium Tensioner Kit
71521	Tensioning Scrench

680ES-PG GAS POWER CUTTERS AND CONSUMABLES*

PART NUMBER	DESCRIPTION
580423	ICS 680ES-10 PG Package, with 10 in/25 cm Guidebar & PowerGrit Chain
580424	ICS PowerGrit-24 chain 10 in/25 cm
579158	ICS 680 PowerGrit Guidebar 10 in/25 cm
525496	ICS 680ES PowerGrit Drive Sprocket
73935	ICS 680ES Premium Tensioner Kit
71521	Tensioning Scrench

Did you know...

Your 680ES can be converted to cut ductile iron, cast iron, PVC and more? Just replace the guidebar, chain and drive sprocket and you are all ready to go!

See the entire list of our guidebar and chain compatibility on pages 22-23.

*Guidebars, chains and drive sprockets fit 613GC

Hydraulic Power

890F4/PG TECHNICAL SPECIFICATIONS

	8 gpm (30 lpm)	12 gpm (45 lpm)
Powerhead Weight (1' hose whips)	23.5 lbs (10.6 kg)	
Bar Cutting Depth	10 in/25 cm, 15 in/38 cm, 20 in/50 cm, 25 in/63 cm FORCE4® & PowerGrit®	
Length	23 inches (58.5 cm)	
Height	10.5 inches (26.5 cm)	
Width	9.5 inches (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 (1.4bar)	
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	

(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.

890 F4 - Hydraulic
Creating an opening for an egress window
Seattle, WA - 2014

890 Series

The ICS 890 Series hydraulic cutting system offers the superior strength of FORCE4® technology and is equipped with integrated water delivery system that continuously feeds 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 make it work as hard as you do.

890PG

890F4

890F4-FL

890F4 HYDRAULIC POWER CUTTERS AND CONSUMABLES*

PART NUMBER	DESCRIPTION
566110	ICS 890F4 Powerhead 8 gpm/30 lpm, 1 ft/30 cm hose whips
566355	ICS 890F4 Powerhead 8 gpm/30 lpm, 8 ft/2.5m hose whips
566112	ICS 890F4 Powerhead 12 gpm/45 lpm, 1 ft/30 cm hose whips
566116	ICS 890F4 Powerhead 12 gpm/45 lpm, 8 ft/2.5m hose whips
566113	ICS 890F4-FLUSH Powerhead 8 gpm/30 lpm, 1 ft/30 cm hose whips
566351	ICS 890F4-FLUSH Powerhead 8 gpm/30 lpm, 8 ft/2.5m hose whips
566114	ICS 890F4-FLUSH Powerhead 12 gpm/45 lpm, 1 ft/30 cm hose whips
566117	ICS 890F4-FLUSH Powerhead 12 gpm/45 lpm, 8 ft/2.5m hose whips
566127	ICS 890F4-15 Package 8 gpm/30 lpm, 1 ft/30 cm hose whips, case
566717	ICS 890F4-15 Package 8 gpm/30 lpm, 8 ft/2.5m hose whips, case
566123	ICS 890PG-15 Package 8 gpm/30 lpm, 1 ft/30 cm hose whips, case
566710	ICS 890PG-15 Package 8 gpm/30 lpm, 8 ft/2.5m hose whips, case
566125	ICS 890PG-15 Package 12 gpm/45 lpm, 1 ft/30 cm hose whips, case
566712	ICS 890PG-15 Package 12 gpm/45 lpm, 8 ft/2.5m hose whips, case
566124	ICS 890PG-20 Package 8 gpm/30 lpm, 1 ft/30 cm hose whips, case
566711	ICS 890PG-20 Package 8 gpm/30 lpm, 8 ft/2.5m hose whips, case
566126	ICS 890PG-20 Package 12 gpm/45 lpm, 1 ft/30 cm hose whips, case
566716	ICS 890PG-20 Package 12 gpm/45 lpm, 8 ft/2.5m hose whips, case
529829	ICS 890F4 Guidebar 10 in/25 cm
523080	ICS 890F4 Guidebar 15 in/38 cm
529767	ICS 890F4 Guidebar 20 in/50 cm
525320	ICS 890F4 Guidebar 25 in/63 cm

See the entire list of our guidebar and chain compatibility on pages 22-23.

PART NUMBER	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
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
537764	ICS PowerGrit Chain 15 in/38 cm
537765	ICS PowerGrit Chain 20 in/50 cm
545017	ICS PowerGrit 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
571505	ICS FORCE4-34 Premium S wide kerf (.375) chain 20 in/50 cm
571506	ICS FORCE4-40 Premium S wide kerf (.375) chain 25 in/63 cm
565065	ICS 890F4 Drive Sprocket
565066	ICS 890F4-FLUSH Drive Sprocket
70636	890F4 Tensioner Kit
523946	890F4-FL Tensioner Kit
70619	Tensioning Scrench

*Guidebars, chains and drive sprockets fit 880F4

Hydraulic Power

814PRO TECHNICAL SPECIFICATIONS

Powerhead weight	15 lbs (6.8 kg)
Bar Cutting Depth	13 inches (33 cm) TwinPRO™
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.
(1) Measured using 18HP hydraulic power pack (8 gpm/30 lpm and 23HP hydraulic power pack (12 gpm/45 lpm) at 2000psi/138 bar.

814PRO - Hydraulic
Creating a 4" x 4" opening for an electrical box
Las Vegas, NV - 2008

814PRO

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 integrated water delivery system that continuously feeds water to the blade, and is a natural for toothing out brick and tuck-pointing along with other applications where a mix of portability and power are required.

814PRO HYDRAULIC POWER CUTTER AND CONSUMABLES

PART NUMBER	DESCRIPTION
75256	ICS 814PRO Powerhead 8 gpm/30 lpm
71675	ICS 814PRO Package 8 gpm/30 lpm with 13 in/33 cm Guidebar & TwinPRO Diamond Chain
74719	ICS TwinPRO-25 chain 13 in/33 cm
74042	ICS Guidebar 13 in/33 cm
71385	ICS 814PRO Drive Sprocket
74061	Tensioning Assembly
71384	Clip
71386	Splined Sprocket
71388	Washer
71152	Tensioning Scrench

Did you know...

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 ICS hydraulic power cutter, every 7-9 chains (depending on chain chassis).

For information on power cutter maintenance:

ICSDIAMONDTOOLS.COM/PRO-CORNER

ICS Customer Service

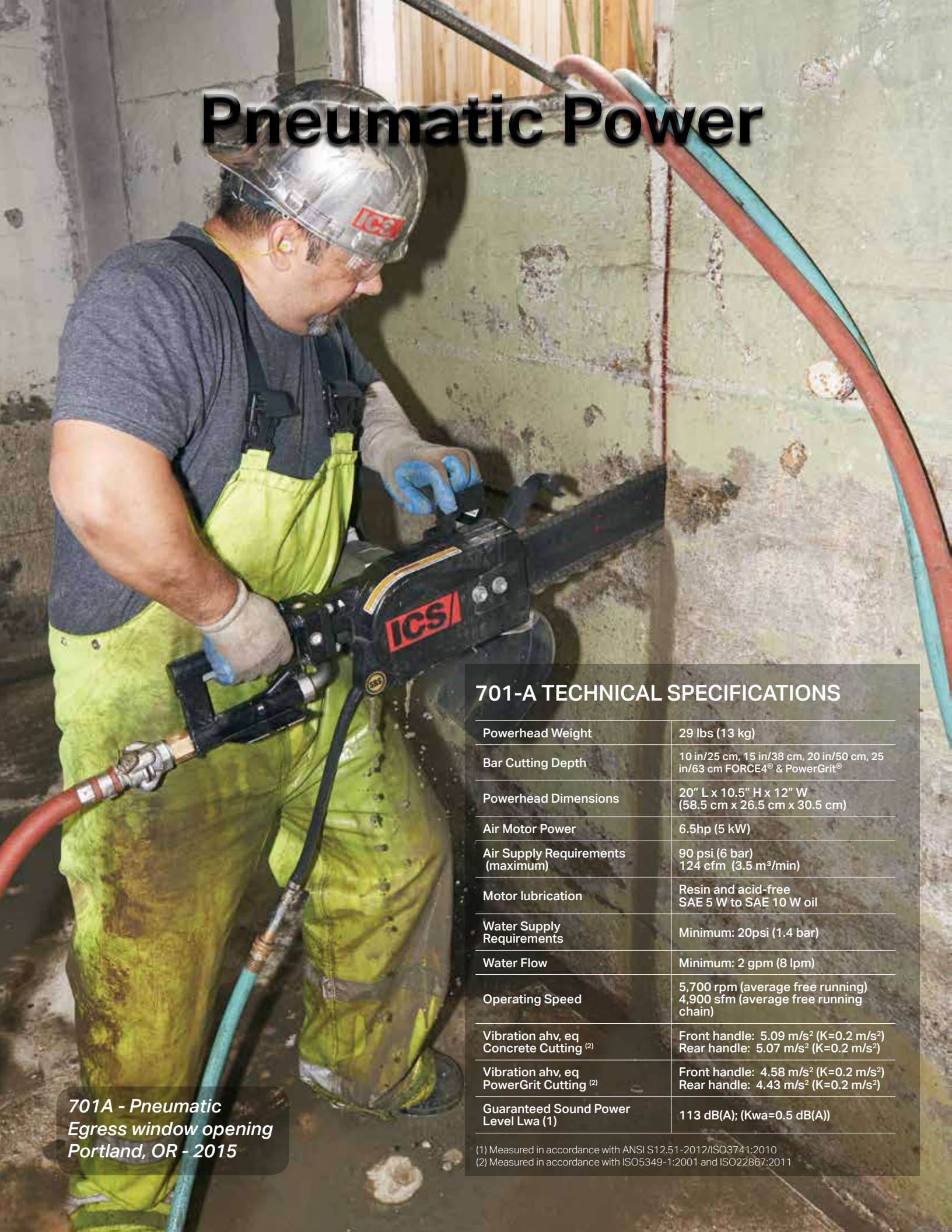
Trust the experience and product knowledge of the ICS Customer Service team to help you make the most of your investment in ICS products. Proud of their quick response time, our helpful representatives are available by phone or email to answer questions about maintenance and repair, to place orders for products and parts, direct you to a local dealer and make sure you are delighted with your ICS experience.

1800.238.668

icsdiamondtools.com.au

See the entire list of our guidebar and chain compatibility on pages 22-23.

Pneumatic Power



701A - Pneumatic
Egress window opening
Portland, OR - 2015

701-A TECHNICAL SPECIFICATIONS

Powerhead Weight	29 lbs (13 kg)
Bar Cutting Depth	10 in/25 cm, 15 in/38 cm, 20 in/50 cm, 25 in/63 cm FORCE4® & PowerGrit®
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 m^3/min)
Motor lubrication	Resin and acid-free SAE 5 W to SAE 10 W oil
Water Supply Requirements	Minimum: 20psi (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/s^2 (K=0.2 m/s^2) Rear handle: 5.07 m/s^2 (K=0.2 m/s^2)
Vibration ahv, eq PowerGrit Cutting (2)	Front handle: 4.58 m/s^2 (K=0.2 m/s^2) Rear handle: 4.43 m/s^2 (K=0.2 m/s^2)
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

701-A

Built tough to stand up to everyday use in the harsh environment of concrete cutting. Cut with ease, speed and portability through reinforced concrete, brick, block, concrete pipe, ductile iron, cast iron, PVC and natural stone. The ICS powerful pneumatic power cutter is designed to cut through walls, floors and columns in a single pass.

701-A

701-A PG

701-A PNEUMATIC POWER CUTTERS AND CONSUMABLES

PART NUMBER	DESCRIPTION
573511	ICS 701-A Powerhead
574173	ICS 701-A Package with 15 in/38 cm Guidebar & FORCE4 chain
574171	ICS 701-A Package with 15 in/38 cm Guidebar & PowerGrit Chain
574172	ICS 701-A Package with 20 in/50 cm Guidebar & PowerGrit Chain
529829	ICS 701-A Guidebar 10 in/25 cm
523080	ICS 701-A Guidebar 15 in/38 cm
529767	ICS 701-A Guidebar 20 in/50 cm
525320	ICS 701-A Guidebar 25 in/63 cm
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

PART NUMBER	DESCRIPTION
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
537764	ICS PowerGrit Chain 15 in/38 cm
537765	ICS PowerGrit Chain 20 in/50 cm
545017	ICS PowerGrit 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
571505	ICS FORCE4-34 Premium S wide kerf (.375) chain 20 in/50 cm
571506	ICS FORCE4-40 Premium S wide kerf (.375) chain 25 in/63 cm
565065	ICS 701-A Drive Sprocket
575013	Airpac, pneumatic power cutter oiler
575130	Oiler, with hose whip 1/2" hose 3/4" fitting x 6ft.
70636	Tensioner Kit
70619	Tensioning Scrench

Always use an in-line oiler (ICS p/n 575130) or air pac (ICS p/n 575013) to provide continuous lubrication to the air motor. This will increase the life of the saw and reduce down time.

Did you know...

ICS offers a FORCE4 Premium S wide kerf chain (.375). It's ideal for header installations and much more

See the entire list of our guidebar and chain compatibility on pages 22-23.

Diamond Chains

Diamond Chain Technology

Diamond chains are not all created equal, so insist on Diamond Chains from ICS®, the people who invented the technology. As the inventors of Diamond Chain Technology™, ICS is committed to continually improving the quality and versatility as well as the perfect blend of power, precision and efficiency: chains specifically designed for different power cutter types as well as the many different materials you encounter on the job. Choosing the right chain for your needs is essential to getting the best value for your purchase.

Chain Selection Chart

Chain Applications	Power Cutter	Soft Stone/ Abrasive/Brick	Natural Stone	Medium Concrete/ Light Reinforcement	Hard Concrete/ Heavy Reinforcement	Ductile Iron/Cast Iron/PVC/HDPE
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		◊	◊	◊	
FORCE4® L Longer Cutting life	890 Series 701-A 695XL F4		◊	◊	◊	
FORCE4® S Faster cutting speed	890 Series 701-A 695XL F4			◊	◊	
FORCE4® Abrasive Ideal for brick & block	890 Series 701-A 695XL F4	◊				
PowerGrit® For Utility Pipe	890 Series 701-A 695XL PG 680ES PG					◊

Did you know...

It's time to replace your chain when the diamond segment has worn down to the welded pad on the chain chassis.

Worn FORCE4 chain

Worn PowerGRIT chain

Diamond Chains

FORCE4®

From the company that revolutionized concrete power cutters comes a revolution in diamond chains: FORCE4®. Designed to be the strongest, longest lasting diamond chains ever made, the FORCE4 series delivers unrivaled performance in professional cutting applications.

SealPRO™ ADVANCED

FORCE4®

Tough general purpose diamond chains that excel in common cutting jobs.

FORCE4® Premium L

Delivering longer life in hard aggregate, this is the best choice when faced with the more demanding jobs.

FORCE4® Premium S

Speed and strength in one chain. Built to cut fast in medium to hard concrete.

FORCE4™ Abrasive

A heavy duty diamond chain that excels in the harshest, most abrasive cutting environments.

FORCE3™

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.

SealPro® Anti-stretch technology by ICS®

FORCE3™

Fast cutting, ecomonical chain for everyday use

FORCE3™ Premium

Best chain to cut harder aggregates and heavier rebar.

FORCE3™ Brick

Best chain to cut harder aggregates and heavier rebar.

PowerGrit®

Utilized by public and private water and wastewater departments worldwide, this patented platform 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.

POWERGRIT® PIPE CUTTING CHAIN

PowerGrit® Pipe Cutting Chain

The ICS pipe cutting chain addresses operator safety with its revolutionary grinding technology which eliminates rotational kickback and improves operator positioning when cutting pipe. This patented platform, exclusively from ICS, is designed to cut a variety of materials from ductile iron to plastic pipe with far less excavation.

Hydraulic Hoses

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

PART NUMBER	DESCRIPTION
70466	25 ft/7.5m hoses

ICS® 2-Stroke Oil

Intensive laboratory and field testing have resulted in an oil formula that is cleaner burning, provides better thermal protection and an improved film barrier reducing piston ring wear. Protect your investment with work-proven ICS® 2-stroke Engine Oil.

50:1 Mix

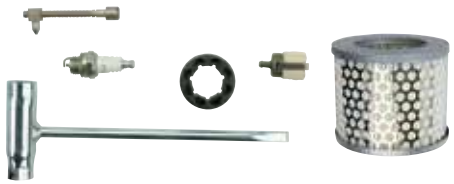
PART NUMBER	DESCRIPTION
571227	2.6 oz (77 ml) 6-pack
571228	2.6 oz (77 ml) 24-pack

Accessories

Whether it's making cuts straighter or job sites cleaner, there's an ICS® accessory that gets the job done. More than 25 years of experience and a whole lot of ingenuity have gone into making these work-proven products indispensable complements to your ICS concrete or utility chain power cutter.

Replacement Parts

Visit your local dealer or see our website **icsdiamondtools.com/customer-service-support/** for a complete listing of available parts.



Flow Adapter Valve

Enjoy the convenience and efficiency of powering your ICS® hydraulic power cutter from skid steers, backhoes, and other common construction equipment. Available for both 8 gpm and 12 gpm (30 lpm and 45 lpm) power cutters.

PART NUMBER	DESCRIPTION
70350	8 gpm/30 lpm Flow adapter valve
71287	12 gpm/45 lpm Flow adapter valve

Portable Water Supply

When water isn't readily available, this corrosion resistant water supply system, with poly tank provides the solution. Able to hold up to 25 gallons, this system offers the pressure and flow that ICS power cutters require. The High-Flo pump provides 1.8 gpm/6.8 lpm at 60 psi/4.13 bar and comes with alligator clips for 12v battery hookup. Comes with a whip fitted with a standard hose end, ready for any regular hose.

PART NUMBER	DESCRIPTION
573285	Portable Water Supply

Portable Hydraulic Powerpack

ICS® gas powered powerpacks are a dependable, self-contained source of hydraulic power that offer superior cooling capacity. The functional, ergonomic design makes them easily transportable to any job site.

P95 18 hp (13.5 kW) Powerpack

Adjustable for 5 gpm or 8 gpm (20 lpm or 30 lpm) operation.

P110 23 HP (17 kW) Powerpack

Adjustable to 8 gpm or 12 gpm (30 lpm or 45 lpm) operation.

PART NUMBER	DESCRIPTION
599653	P95 18 hp (13.5 kW) Powerpack
599654	P110 23 HP (17 kW) Powerpack

Looking for helpful tips and tricks?

Visit us on the web:

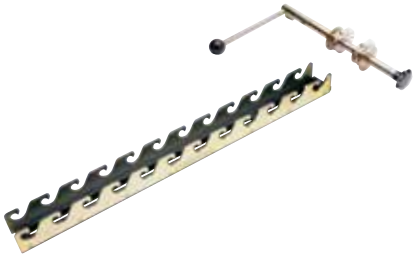
icsdiamondtools.com/pro-corner

SpeedHook®

SpeedHook® is an ingenious accessory designed to support the weight of ICS® hydraulic power cutters, dramatically reducing operator fatigue and extending chain life.

PART NUMBER	DESCRIPTION
528551	SpeedHook System includes 42 inch (1 m) rail & mounting bracket

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



ICS® Large Carry Case

Fits 880, 890 and 853PRO series.

PART NUMBER 71772

TSS™ Vacuum Systems

The Total Slurry Solutions provide an easy way to contain and dispose of slurry produced when wet-sawing or drilling in concrete, stone, or masonry. All TSS systems come with 15 feet (4.6 m) of heavy duty professional grade vacuum hose.

PART NUMBER	DESCRIPTION
73862	TSS-15 Vacuum system
71285	TSS-55 Vacuum system
71248	TSS Vacuum Attachment
73852	TSS Squeege
73854	TSS Aluminum Wand

890F4/701-A Pipe Clamp

In addition to the time saving value of PowerGrit® technology, the pipe clamp accessory developed for the underground pipe application brings a whole new level of safety, accuracy and ease of use to the job. With a simple adaptor, you can mount to this clamp and dramatically reduce the effort of handling the power cutter, while providing a solid, stable cutting platform that also improves operator safety and the precision of the cut. Fits pipes up to 12 in/30 cm (outside diameter).

PART NUMBER	DESCRIPTION
537640	Pipe Clamp
537634	Axle replacement

FOR 890F4/701-A ONLY

Frequently Asked Questions

890 F4
Cutting stones to exact size during restoration of the Panthéon
Paris, France - 2015

WHEN DO I NEED TO REPLACE A CHAIN?

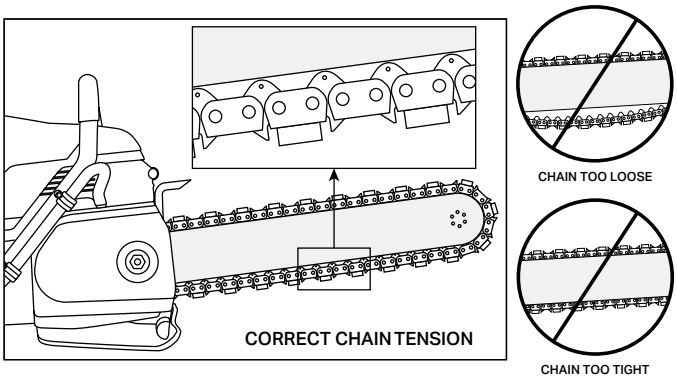
When the diamond segment has worn down to the welded pad on the chain chassis. Typically a chain will cut 40 – 80 (12 - 24m) linear feet in 6 in/15 cm concrete. On ICS hydraulic power cutter, this range is most often doubled.

Worn FORCE4 chain

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.



If 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.

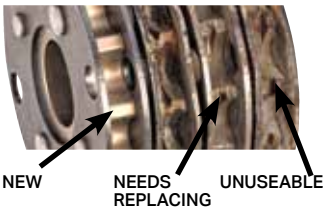
WHAT IF IT IS FREEZING OR BELOW FREEZING AND I CANNOT GET WATER TO MY POWER CUTTER BECAUSE THE HOSE OR POWER CUTTER IS FROZEN AND PLUGGED UP…CAN I MAKE MY CUT?

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.

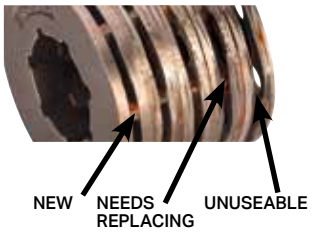
WHEN DO I NEED TO REPLACE MY DRIVE SPROCKET?

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 ICS hydraulic power cutter, every 7-9 chains (depending on chain chassis).

HYDRAULIC



GAS



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.AU

Global ICS Fit-Up Chart

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

			680 Series	695 GC Series	695 F4 Series	890 Hydraulic	701-A Pneumatic	Pentruder HF Power Cutter	814 Hydraulic	K950-K970	HCP Prime HF Chainsaw	Stihl® RockBoss®
3/8 pitch gas bars	71395	GUIDEBAR, (80CC/29SEG/58DL/12IN/30CM)	X									
	513122	GUIDEBAR, (80CC/32SEG/64DL/14IN/35CM)	X									
	553207	GUIDEBAR, (90CC/29SEG/58DL/12IN/30CM)		X						X	X	
	73600	GUIDEBAR, (90CC/32SEG/64DL/14IN/35CM)		X						X	X	
	71600	GUIDEBAR, 90CC/35SEG/70DL/16IN/40CM)		X						X	X	
	560807	GUIDEBAR, (32SEG/64DL/14IN/35CM) GS461										X
	73605	GUIDEBAR, (32SEG/64DL/14IN/36CM) HUSQ.								X		
	70825	CUTTER'S EDGE Unbranded 14 Inch Bar										
Gas FORCE4 bars	579158	GUIDEBAR, 680PG	X									
	524490	GUIDEBAR, F4(90CC/29SEG/54DL/16IN/40CM)			X						X	
	553208	GUIDEBAR, F4(90CC/25SEG/12IN/50DL/30CM)			X						X	
	573004	GUIDEBAR, F4 (25SEG/50DL/12IN/30CM) HUSQ			X							
	573005	GUIDEBAR, F4 (29SEG/54DL/16IN/40CM) HUSQ			X							
3/8 pitch hydraulic bars	74042	GUIDEBAR, (25SEG/50DL/13IN/33CM)							X			
	74050	GUIDEBAR, (25SEG/50DL/13IN/33CM) STANLEY										
	71788	DP/HYDROSTRESS 12" - 31 SEG BAR										
	71429	DP/HYDROSTRESS 16" - 37 SEG BAR										
	71430	DP/HYDROSTRESS 20" - 43 SEG BAR										
	71789	DP/HYDROSTRESS 24" - 49 SEG BAR										
	72178	Guidebar, 15" for DS11										
	72284	Guidebar, 18" for DS11										
FORCE4 Hydraulic and Air bars	529829	GUIDEBAR, F4 (25SEG/50DL/10IN/25CM)				X	X	X				
	523080	GUIDEBAR, F4 (29SEG/50DL/15IN/38CM)				X	X	X				
	529767	GUIDEBAR, FORCE4 (34SEG/20IN/50CM)				X	X	X				
	525320	GUIDEBAR, F4 (40SEG/80DL/25IN/63CM)				X	X	X				
	536161	GUIDEBAR, F4 (31SEG/18IN/45CM) STANLEY										
	574351	GUIDEBAR, CS UNITEC F4 (25SEG/10IN)				X	X	X				
	574352	GUIDEBAR, CS UNITEC F4 (29SEG/15IN)				X	X	X				
	574353	GUIDEBAR, CS UNITEC F4 (34SEG/20IN/50CM)				X	X	X				

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

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Diamond Tools and Equipment
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