

Pentrunder[®]
CONCRETE CUTTING SYSTEMS



Diamond Tools and Equipment

PRODUCT CATALOG



ICSDIAMONDTOOLS.COM

The Pentruder high frequency wall saws offer

Features that perform for you every day

High precision cuts

Large diameter axial arm bearing
Maximum rigidity for cut precision and reduced blade wear

Optimal vertical roller configuration
Provides alignment of forces for stability and cut precision

Conical self cleaning low wear rollers
Best support and control of the saw head
Vertical orientation aluminum track
Maximum stiffness and lightweight

Easy setup

Easy to use track system saves time and trouble when setting up the machine

Swivelling track feet only needs to be set up once in each corner when cutting a rectangular opening

Quick release for
HF motor

Installation or
removal in a few
seconds



Quick disconnect
blade flange
coupling

Radial mounting of
the saw blade



Scan the QR-code
for short operator
manuals

a wide range of features for best productivity

Best cutting performance

Multistep gearbox
For maximum torque with any blade size

Variable spindle speeds within each gear
Maximum cutting control for each blade size

Pentruder autofeed

Maximum power output at all times for smooth and uninterrupted cutting

Robust, lightweight build

Aircraft grade billet aluminum
Durable, lightweight saw head - stronger than castings

Adjustable lightweight blade guards
Choose from swing, parallel, full, or flush

Robust and repairable connectors

Made in house for maximum durability. Replace connector inserts easily with standard hand tools.



Pentruder[®]

CONCRETE CUTTING SYSTEMS

You don't want just a saw, you want a Pentruder. With state-of-the-art features, cutting-edge technology and world-class engineering, Pentruder is the gold-standard for concrete cutters worldwide. Powerful, high-frequency motors, aircraft-grade billet aluminum, a multi-speed gearbox, and the only saw on the market today that runs a 79" blade, like a hot knife through butter. You and your team will be the rock stars of the job site. Go ahead, let the other guys stare jealously, slack-jawed, standing on the lawn. You eat, sleep and breathe this, and it looks good on you.

/ ROBUST, LIGHTWEIGHT BUILD

/ BEST CUTTING PERFORMANCE

/ HIGH POWER

/ RELIABLE

/ PRECISION CUTS

/ EASY SETUP



The Pentruder high frequency drive system

HF motors with reliable power and high efficiency

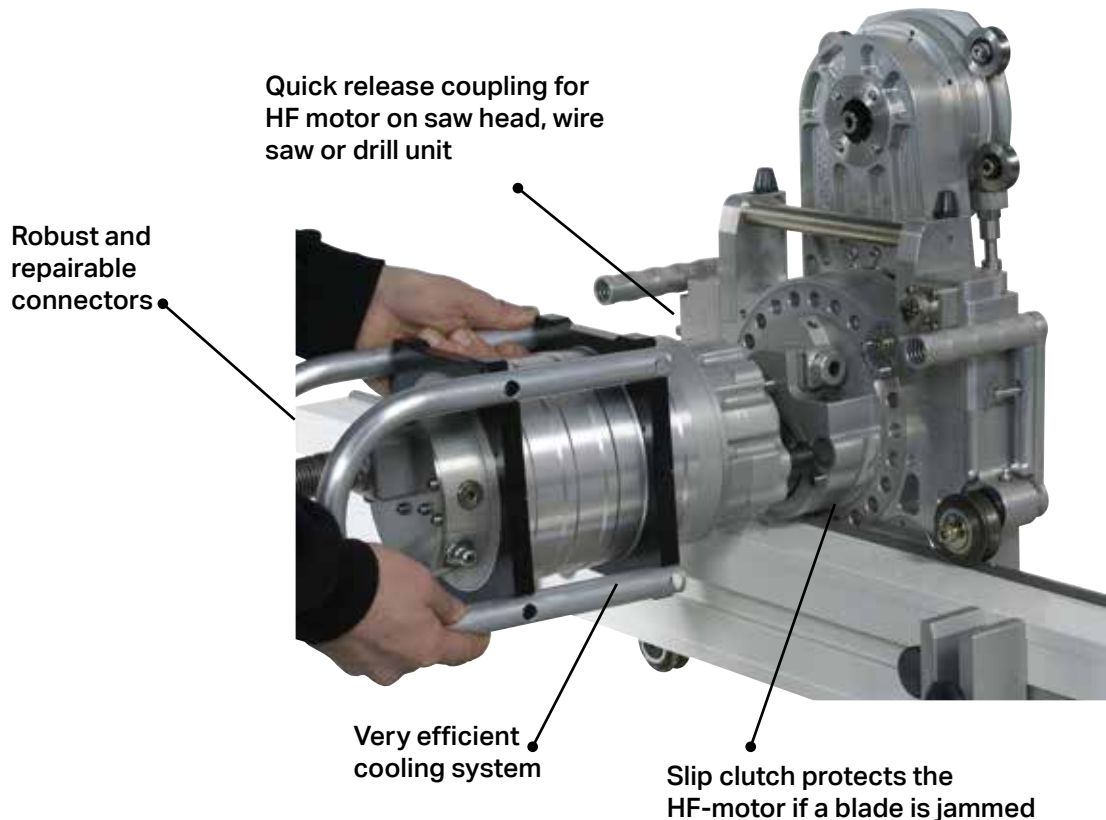
Operate a full range of Pentruder high frequency, or HF, equipment simply by connecting the same Pentpak™, remote control, motor and cables to the wall saw, wire saw or core drill.

Superior materials. The motor is built of highest quality components, such as a hand built copper rotor, to ensure maximum performance.






Helical precision ground gears transfer power reliably with minimal losses and heat build up.

Reliable 400 Hz technology. Highly reliable motor and long-bearing life.

A double cooling system for the HF motor gives sustained reliable power and high efficiency.



Pentruder HF motors and Power Pack

	8-20HF	CBK	6-10HF	3P8	CW630 Flush
Motors					
15 kW	O	O	R	-	
18 kW	O	O	O	O	-
22 kW	R	R	-	R	-
Pentpak 427	R	R	R	R	R

The HF motor is fixed on the CWF630 power cutter R = Recommended, O = OK, - = not possible

Modularity for professional concrete cutters

Pentpak 427, a power pack for all Pentruder HF machines

Thanks to our digital communication system the same high frequency drive system is used for wall sawing, wire sawing, drilling and power cutting.

The power pack will recognize what motor and machine it is connected to and automatically use the right software for optimal ease-of-use and performance.

Thanks to the intelligent Pentruder autofeed system, the high frequency machines will always work at maximum power and the cutting will be smooth and uninterrupted.

Intelligent software makes it possible to run the HF machines on fuses uses as small as 16 ampere (up to 22 kW) at 380 - 480 volt.

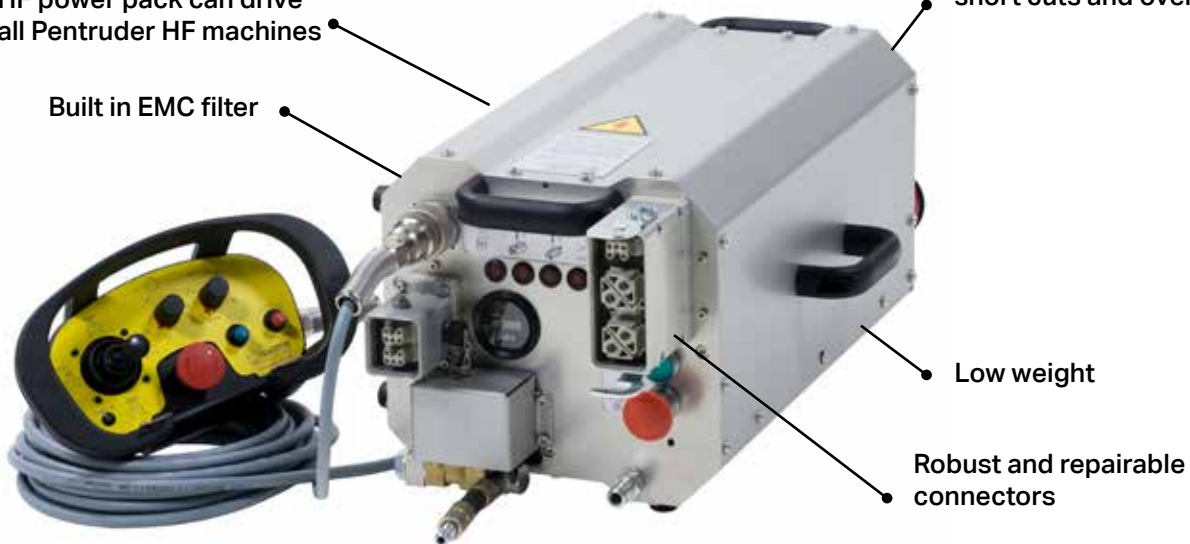
The Pentpak high frequency power packs are made from top quality components chosen for their reliability and longevity.

The HF power pack is insensitive for fluctuations in power. The frequency inverter works as a stabilizer for incoming power and protects the electrical drive motor.

Versatile; The Pentpak HF power pack can drive all Pentruder HF machines

Built in EMC filter

Well protected against short cuts and overload



Low weight

Robust and repairable connectors

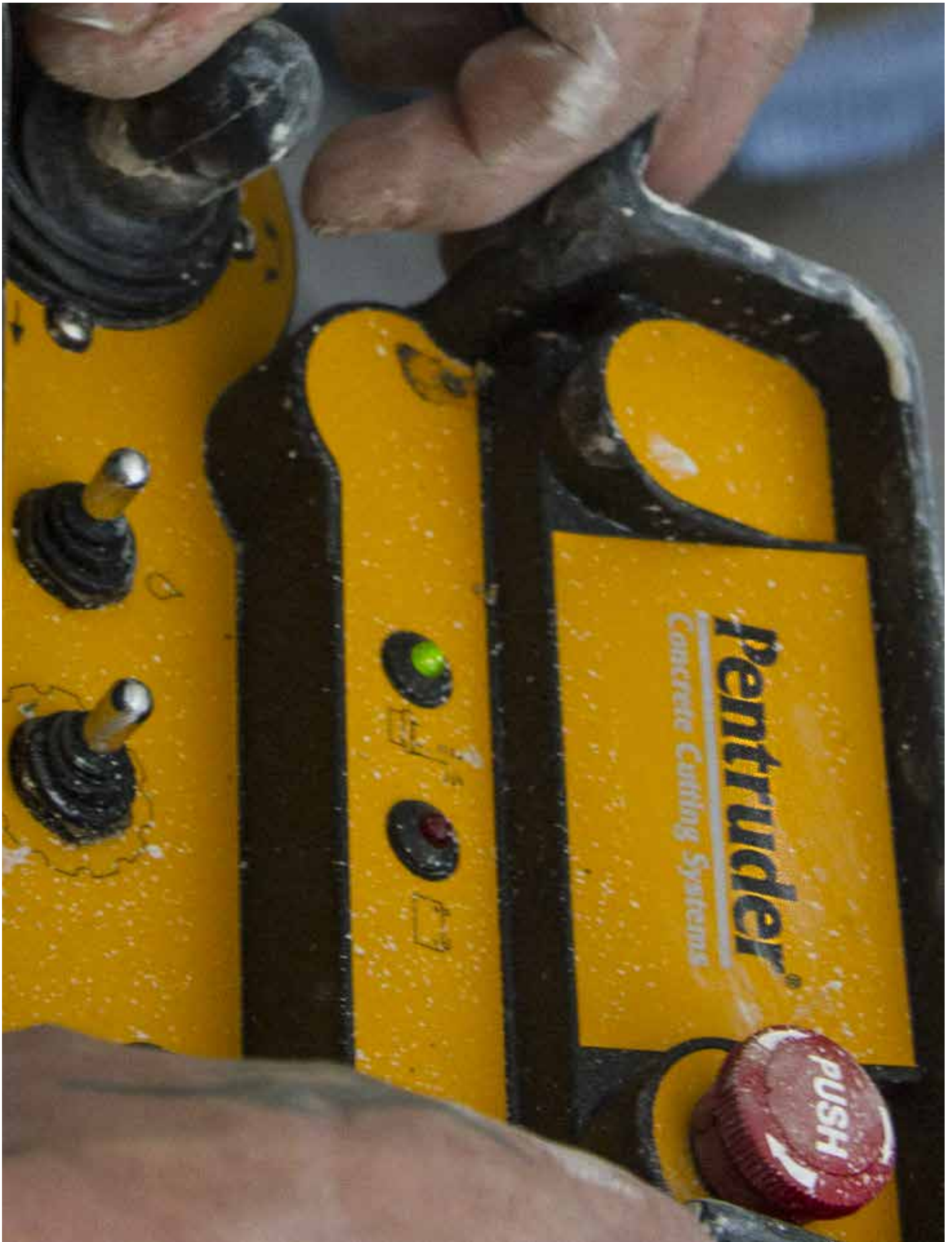
Technical Data Pentruder high frequency drive system

Pentpak 427 HF power pack	15 / 18 / 22 kW HF motor
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Input voltage	380 – 480 V
Input frequency	50 – 60 Hz
Minimum fuse	16 Ampere
Recommended fuse	40 Ampere
Current draw at max output	56 Ampere
Recommended gen. size	45 kVA/35 kW

Modules high frequency drive system


Part number	MCCS Code	Description	Weight
Pentruder high frequency motors			
07154001DIG	HFR415	High frequency motor, 15 kW - 400V	29 lbs
07184001DIG	HFR418	High frequency motor, 18 kW - 400V	36 lbs
07224001DIG	HFR422	High frequency motor, 22 kW - 400V	39 lbs
  <p>HFR415</p> <p>HFR418 HFR422</p>			
Pentpak high frequency power pack, cables and remote control units for all Pentruder HF machines			
09274001DIG	PP427	High frequency power pack, 380 - 500V, 50 - 60 HZ	57 lbs
64900201	HV400-9-30	High voltage cable, 400V, 9m	14 lbs
64900101	LV24-9-30	Low voltage cable, 24V, 9m with water hose	12 lbs
64190401	CRC-HF	Cable remote control	6.6 lbs
WRC-HF	WRC-HF	Wireless remote control	3.4 lbs
     <p>PP427 Powerpack</p> <p>HV400-9-30 400 V Cable</p> <p>LV24-9-30 24 V Cable</p> <p>CRC-HF Cable remote control</p> <p>WRC-HF Wireless Remote Control</p>			




Overview Pentruder high frequency wall saws

Real work tools for true professionals and everyday performance

Part number	MCCS Code	Description	Weight
Pentruder high frequency wall saws			
10050101DIG	8-20HF	Saw head Pentruder 8-20HF for 15, 18 or 22 kW HF motors.	56 lbs
10090101DIG	CBK	Saw head Pentruder CBK for 15, 18, 22 or 27 kW HF motors	54 lbs
10060201DIG	6-10HF	Saw head Pentruder 6-10HF for 15 or 18 kW HF motors	40 lbs



Pentruder 8-20HF



Pentruder CBK



Pentruder 6-10HF

Technical data Pentruder high frequency wall saws

Specifications	8-20HF	CBK	6-10HF
HF motors	15, 28, 22 kW	15, 28, 22 kW	15, 28, 22 kW
Max Torque	405 Nm	275 Nm	165 Nm
Gearbox	4-speed	1-speed	1-speed
Electronically variable speed	Yes	Yes	Yes
Max Blade	79"	63"	48"
Max Cutting Depth	36.4"	28.5"	20.2"
Max Out of Cut Blade	39.4"	36"	30"
Weight	56 lbs	54 lbs	40 lbs

Recommended start package HF Wall Saws

System accessories designed for easy and quick setup

HF drive system



22kW HF motor



Pentpak 427



WRC
Wireless remote
control



24 V Cable



400 V Cable

HF wall saw



Saw Head

Blade guards



GH-SW1
Blade guard frame
for standard guards



GS Full 800
800 mm full
blade guard



GSF Flush 800
800 mm flush
blade guard

Blade flanges



QE Blade flange assembly QE60
1 3/8" arbor



QEF60-130
Flush 1 3/8" arbor

Other accessories



Covers for digital
connectors



Template for positioning
of track foot



Tool kit



Transport trolley TYHF
for HF wall saws

Track system



TS Track
1.15 and 2.3 m



TF2S
Track foot
symmetric x 3



TSS300
Joint block



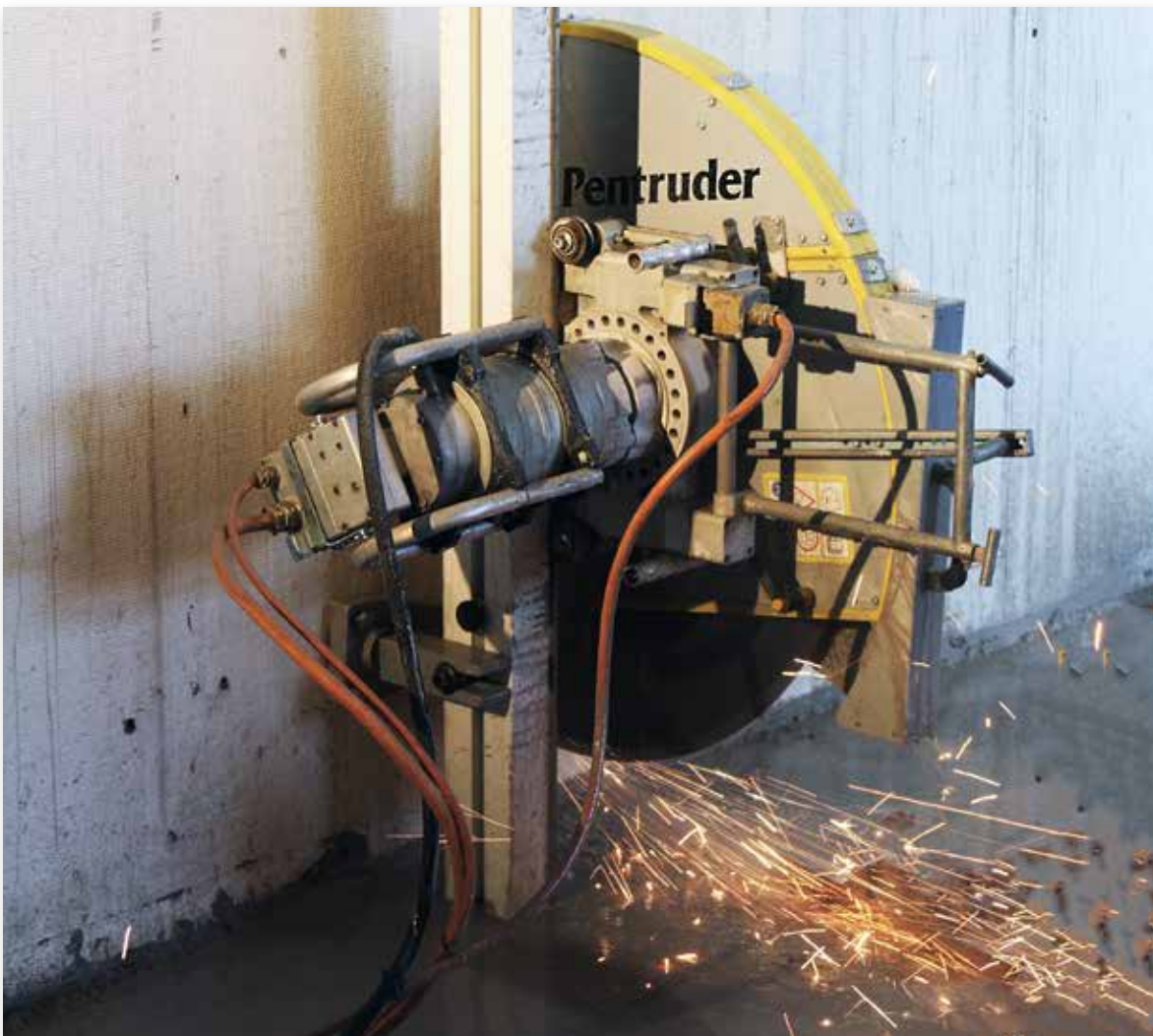
TSP1
Track stop x 2



Watch short operator manuals for Pentruder's Wall saws at our Youtube channel
Scan the QR-code or visit us at www.youtube.com/c/PentruderConcreteCuttingSystems

Pentruder 8-20HF

Strong and versatile for all wall sawing jobs



Technical Data Pentruder 8-20HF wall saw

Specifications	8-20HF, 22 kW
Saw blade motor	400 Hz high frequency motor
Max continuous output power	22 kW
Min fuse	16 Amp
Max output torque	405 Nm in 1st gear
Spindle speed under load	
1st gear	350 - 510 rpm
2nd gear	500 - 735 rpm
3rd gear	630 - 925 rpm
4th gear	790 - 1165 rpm
<small>In each gear, the spindle speed is electronically variable with the remote control. See operator's manual for detailed charts.</small>	

- The Pentruder 8-20HF will cut with optimum power on every size blade. It will help you do the most demanding jobs very efficiently.
- Can be used with the 15, 18 or 22 kW HF motor.
- For 31" up to 79" blades.
- The 8-20 wall saws are made for durable performance. Every day.

Pentruder 8-20HF

PENTRUDER 8-20 HF 22KW/30HP WALL SAW (MAX BLADE DIAMETER - 79", WILL TAKE 39" BLADE OUT OF CUT)		
PART NUMBER	DESCRIPTION	DETAILS
582090	8-20 HF 30 HP WALL SAW BASE PACKAGE	
8-20 HF WALL SAW BASE PACKAGE INCLUDES THE FOLLOWING		
09274001DIG	PENTPAK 427 DIGITAL COMMUNICATION	INPUT 480V 60HZ – 3 PHASE
07224001DIG	HF-MOTOR 22 KW/30HP 400V DIG.COM.	400 VOLT 400HZ 30 HP
10050101DIG	PENTRUDER 8 - 20 HF DIG.COM. (SAW HEAD)	UP TO 79" BLADE DIAM. 40" OUT OF CUT
42880601	BLADE FLANGE, 1-3/8 W. HEX CPL	BLADE FLANGE ASSEMBLY 1 3/8"
43210601	FRAME BLADE GUARD HOLDER CPL	MOUNTS TO SAW HEAD, HOLDS GUARD
11080701	BLADE GUARD FULL 32"	
64190401	REMOTE CONTROL HF CPL	WIRED REMOTE
64900201	CABLE 400V 30' DIGITAL COM. CPL	
64900101	CABLE 24V 30' DIGITAL COM. CPL	
43101401	TRACK FOOT SYMMETRIC CPL	8-20HF BASE PKG (P/N 582090) INCLUDES 3
49031901	TRACK 45" DOUBLE RACK CPL	
49032201	TRACK 90.5" DOUBLE RACK CPL	
55070201	TRACK STOP TP3 CPL	8-20HF BASE PKG (P/N 582090) INCLUDES 2
43280101	JOINT BLOCK FOR TRACKS CPL	CONNECTS 2 TRACKS
64110800	RECEPTACLE FEMALE 32A 400V	FOR INPUT POWER 480V
65340101	TOOLKIT PENTRUDER WALLSAW CPL	HAND TOOLS
60480401	WATER VALVE COMPLETE WITH COUPLING	WATER CONNECTION TO PENTPAK
573700	WATER HOSE KIT FOR PENTPAK 427	WATER CONNECTION TO PENTPAK
64114800	PROTECTIVE CAP, 100A DIG MALE	PROTECTS ELECTRICAL CONNECTIONS
64114700	PROTECTIVE CAP, 100A DIG FEMALE	PROTECTS ELECTRICAL CONNECTIONS
64114600	PROTECTIVE CAP, 24V DIG MALE	PROTECTS ELECTRICAL CONNECTIONS
64114500	PROTECTIVE CAP, 24V DIG FEMALE	PROTECTS ELECTRICAL CONNECTIONS

See our full list of optional items on page 18-19

Pentruder CBK

Strong and easy to use, all-round wall saw

- The Pentruder CBK offers a combination of high performance and easy handling.
- Can be used with all HF motor from Pentruder
- The spindle speed is varied electronically with the potentiometer.
- Easily handles blades up to 63".



Technical Data Pentruder CBK wall saw

Specifications		CBK, 22 kW	
Saw blade diameter max.	63"	Saw blade motor	400 Hz high frequency motor
Max cutting depth with max. blade	28.5"	Max continuous output power	22 kW
Max start blade	36"	Min fuse	16 Amp
Weight saw head	54 lbs	Max output torque	275 Nm
Weight 22 kW HF motor	39 lbs	Spindle speed under load	600 - 996 rpm
Total weight incl. 22 kW HF motor	93 lbs		

The spindle speed is electronically variable with the remote control.
See operator's manual for detailed charts.

PENTRUDER CBK HF 22KW/30 HP WALL SAW (MAX BLADE DIAMETER - 63", WILL TAKE 36" BLADE OUT OF CUT)		
PART NUMBER	DESCRIPTION	DETAILS
582092	CBK HF 30 HP WALL SAW BASE PACKAGE	
<i>CBK HF WALL SAW BASE PACKAGE INCLUDES THE FOLLOWING</i>		
09274001DIG	PENTPAK 427 DIGITAL COMMUNICATION	INPUT 480V 60HZ – 3 PHASE
07224001DIG	HF-MOTOR 22 KW 400V DIG.COM.	400 VOLT 400HZ 30 H/P
10090101DIG	PENTRUDER CBK - HF DIG.COM. (SAW HEAD)	UP TO 63"BLADE DIAM. 37"OUT OF CUT
42880601	BLADE FLANGE, 1-3/8 W. HEX CPL	BLADE FLANGE ASSEMBLY 1 3/8"
43210601	FRAME BLADE GUARD HOLDER CPL	MOUNTS TO SAW HEAD, HOLDS GUARD
11080701	BLADE GUARD FULL 32"	
64190401	REMOTE CONTROL HF CPL	WIRED REMOTE
64900201	CABLE 400V 30' DIGITAL COM. CPL	
64900101	CABLE 24V 30' DIGITAL COM. CPL	
43101401	TRACK FOOT SYMMETRIC CPL	CBK HF BASE PKG (P/N 582092) INCLUDES 3
49031901	TRACK 45" DOUBLE RACK CPL	
49032201	TRACK 90.5" DOUBLE RACK CPL	
55070201	TRACK STOP TP3 CPL	CBK HF BASE PKG (P/N 582092) INCLUDES 2
43280101	JOINT BLOCK FOR TRACKS CPL	CONNECTS 2 TRACKS
64110800	RECEPTACLE FEMALE 32A 400V	FOR INPUT POWER
65340101	TOOLKIT PENTRUDER WALLSAW CPL	HAND TOOLS
60480401	WATER VALVE COMPLETE WITH COUPLING	WATER CONNECTION TO PENTPAK
573700	WATER HOSE KIT FOR PENTPAK 427	WATER CONNECTION TO PENTPAK
64114800	PROTECTIVE CAP, 100A DIG MALE	PROTECTS ELECTRICAL CONNECTIONS
64114700	PROTECTIVE CAP, 100A DIG FEMALE	PROTECTS ELECTRICAL CONNECTIONS
64114600	PROTECTIVE CAP, 24V DIG MALE	PROTECTS ELECTRICAL CONNECTIONS
64114500	PROTECTIVE CAP, 24V DIG FEMALE	PROTECTS ELECTRICAL CONNECTIONS

See our full list of optional items on page 18-19

Pentruder 6-10HF Service Saw

Easy to use wall saw for the majority of cutting jobs

- The Pentruder 6-10HF is a very user friendly wall saw.
- Handles the majority of all wall sawing jobs very efficiently.
- The spindle speed is varied electronically with the potentiometer. There is no mechanical gearbox.



Technical Data Pentruder 6-10HF wall saw

Specifications	6-10HF, 15 kW	6-10HF, 18 kW
Saw blade motor	400 Hz high frequency motor	
Max continuous output power	15 kW	18 kW
Min fuse	16 Amp	16 Amp
Max output torque	130 Nm	165 Nm
Spindle speed under load	815 - 1200 rpm	815 - 1200 rpm

The spindle speed is electronically variable with the remote control. See operator's manual for detailed charts.

Pentruder 6-10HF Service Saw

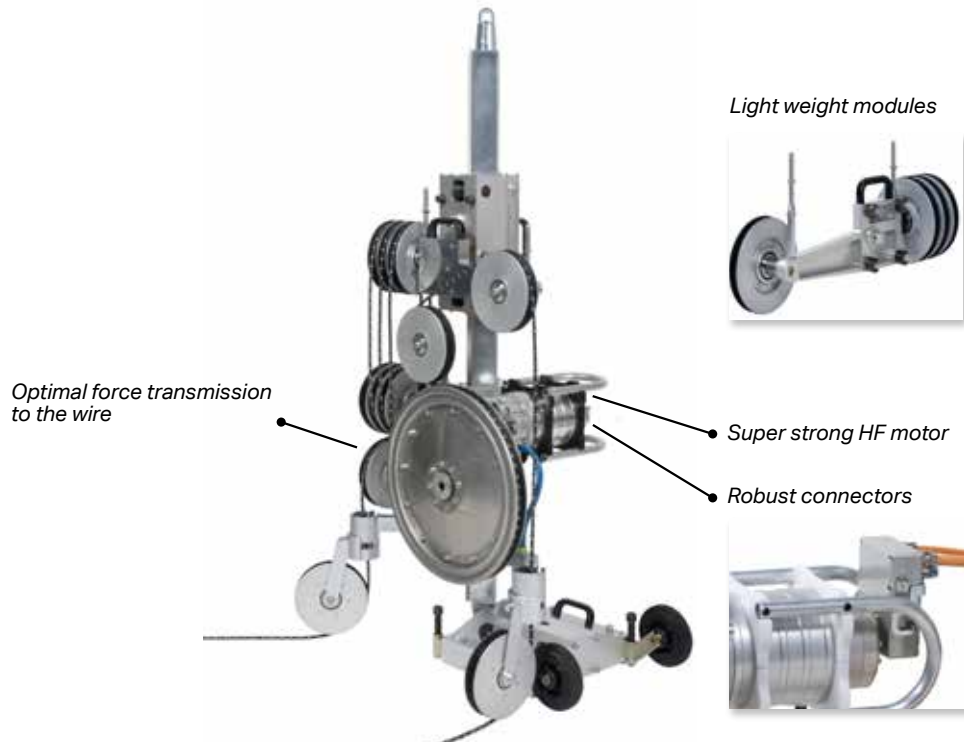
PENTRUDER 6-10 HF 15KW/20HP OR 18KW/24HP WALL SAW (MAX BLADE DIAMETER - 48", WILL TAKE 30" BLADE OUT OF CUT)		
PART NUMBER	DESCRIPTION	DETAILS
577015	6-10 HF WALL SAW BASE PACKAGE 15 KW	
600471	6-10 HF WALL SAW BASE PACKAGE 18 KW	
6-10 HF WALL SAW BASE PACKAGE INCLUDES THE FOLLOWING		
09274001DIG	PENTPAK 427 DIGITAL COMMUNICATION	
07154001DIG	HF-MOTOR 15 KW 400V DIG.COM.	PACKAGE INCLUDES YOUR CHOICE OF ONE 15KW (20 HP) OR 18KW (24 HP) MOTOR
07184001DIG	HF-MOTOR 18 KW 400V DIG.COM.	
10060201DIG	PENTRUDER, 6-10HF DIG. COM. (SAW HEAD)	
42880601	BLADE FLANGE, 1-3/8 W.HEX CPLL	
43210601	FRAME BLADE GUARD HOLDER CPL	
11080701	BLADE GUARD FULL 32"	
64190401	REMOTE CONTROL HF CPL	WIRED REMOTE
64900201	CABLE 400V 30' DIGITAL COM. CPL	
64900101	CABLE 24V 30' DIGITAL COM. CPL	
43101401	TRACK FOOT SYMMETRIC CPL	6-10 HF BASE PKG (P/N 600471 & 577015) INCL 3
49031901	TRACK 45" DOUBLE RACK CPL	
49032201	TRACK 90.5" DOUBLE RACK CPL	
55070201	TRACK STOP TP3 CPL.	6-10 HF BASE PKG (P/N 600471 & 577015) INCL 2
43280101	JOINT BLOCK FOR TRACKS CPL.	
64110800	RECEPTACLE FEMALE 32A 400V	
65340101	TOOLKIT PENTRUDER WALLSAW CPL	
60480401	WATER VALVE COMPLETE WITH COUPLING	WATER CONNECTION TO PENTPAK
573700	WATER HOSE KIT FOR PENTPAK 427	WATER CONNECTION TO PENTPAK
64114800	PROTECTIVE CAP, 100A DIG MALE	PROTECTS ELECTRICAL CONNECTIONS
64114700	PROTECTIVE CAP, 100A DIG FEMALE	PROTECTS ELECTRICAL CONNECTIONS
64114600	PROTECTIVE CAP, 24V DIG MALE	PROTECTS ELECTRICAL CONNECTIONS
64114500	PROTECTIVE CAP, 24V DIG FEMALE	PROTECTS ELECTRICAL CONNECTIONS

See our full list of optional items on page 18-19

Pentruder 3P8 HF wire saw

Combines low weight with extraordinary performance

- Combines low weight with extra ordinary performance and is suitable for both small and very big jobs.
- Recommended to be used with the 18 or 22 kW HF motor.
- Quick and easy set up thanks to the modular build up. Mostly a direct cut without extra satellite pulleys is possible.
- All of the wire saw modules weigh less than 55 lbs.
- The start of the wire is easy, thanks to the electrical automatic feed and high power of the drive motor.
- The automatic feed makes it easier to run the saw. It also extends the lifetime of the wire.
- Optimal force transmission, thanks to 20" main drive pulley. The wire wraps around the main drive pulley 270°, which gives superb traction when the wire has low tension during start up.



Technical Data Pentrunder 3P8 HF wire saw

Specifications	3P8 HF wire saw
Drive Motor	400 Hz high frequency motor 18, 22 or 27 kW
Max continuous output power	18 kW
Main drive Pulley	20"
Storage Pulley	8" O.D.
Wire	8-12 mm
Storage in pulleys	21 feet
Storage capacity	3 feet per 1 foot stroke of the carriage, Max approximately 65 ft
3P8-DP-HF Drive pulley, electric	30 lbs
3P8-UA Upper Assembly	33 lbs
3p8-LA Lower Assembly	43 lbs + 28 lbs

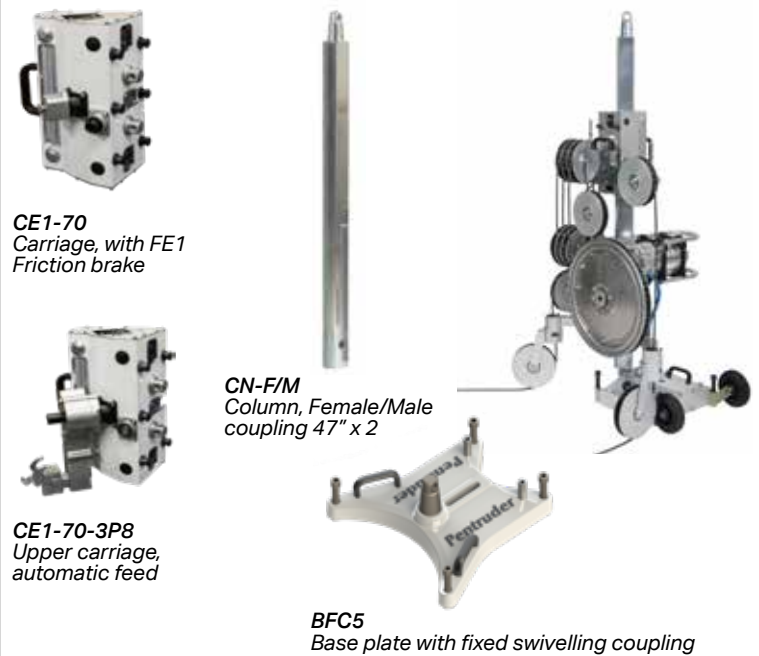
Recommended start package 3P8 wire saw with 70 mm column or track system as rig

Same HF drive system as the wall saws with less investment

HF drive system



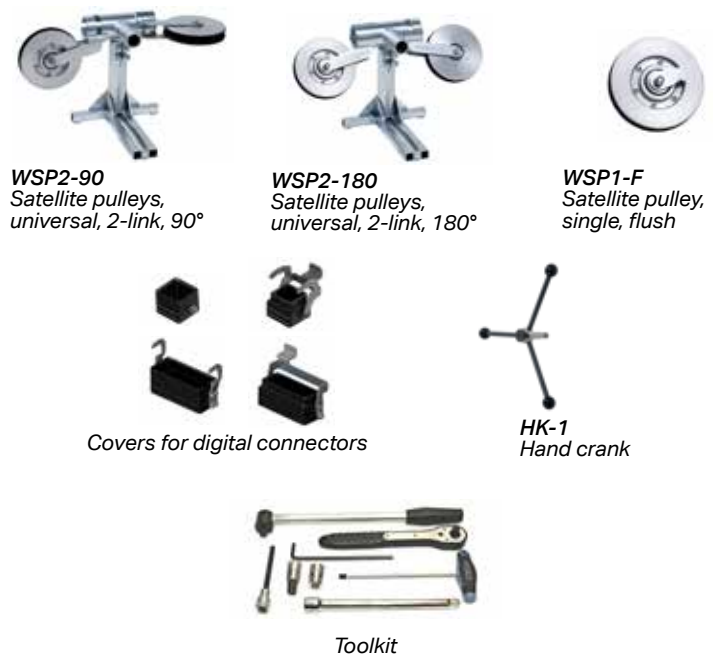
Rig 70 mm column system



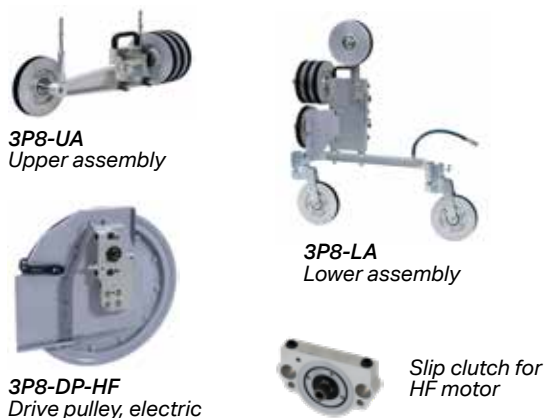
Wire saw guard



Accessories



Wire saw modules



Pentruder 3P8 HF wire saw

3P8 WIRE SAW ADDITION (STORAGE CAPACITY UP TO 65')		3P8 WIRE SAW (STORAGE CAPACITY UP TO 65')	
PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
597137	3P8 WIRE SAW ADD ON BASE PACKAGE	582100	3P8 WIRE SAW BASE PACKAGE
3P8 WIRE SAW ADD ON BASE PACKAGE INCLUDES THE FOLLOWING		3P8 WIRE SAW BASE PACKAGE INCLUDES THE FOLLOWING	
BFC5	BASE PLATE	09274001DIG	PENTPAK 427 DIGITAL COMMUNICATION
WT-BFC5-300	BASE PLATE WHEEL KIT	07224001DIG	HF-MOTOR 22 KW/30HP 400V DIG.COM.
RST-CN-U	REAR SUPPORT, COLUMN W/O MALE CONE	64190401	REMOTE CONTROL HF CPL WIRED REMOTE
10211201	COLUMN 47.2" STEEL COMPLETE 3P8 ADD ON BASE PKG (P/N 597137) INCL 2	64900101	CABLE 24V 30' DIGITAL COM. CPL
CE1-70-MD1	CARRIAGE, CE1 W/FRICTION BREAK, FOR 3P8	64900201	CABLE 400V 30' DIGITAL COM. CPL
CE1-70-3P8-PT	CARRIAGE, CE1 FOR 3P8, W/ELECTRIC FEED	BFC5	BASE PLATE, BFC5, FOR WIRE SAW
10900101	DRIVE PULLEY 3P8 HF CPL	WT-BFC5-300	WHEEL KIT, WT-BFC5-300, FOR WIRE SAW
57253101	CLUTCH ASSEMBLY 3P8	RST-CN-U	REAR SUPPORT, COLUMN W/O MALE CONE
10910201	LOWER ROLLER STORAGE 3P8 CPL	10211201	COLUMN 47.2" STEEL COMPLETE 3P8 BASE PKG (P/N 582100) INCL 2
10910101	UPPER ASSEMBLY 3P8 CPL	CE1-70-MD1	CARRIAGE, CE1 W/FRICTION BREAK, FOR 3P8
11200201	GUARD, MAIN DRIVE PULLEY 3P8 CPL	CE1-70-3P8-PT	CARRIAGE, CE1 FOR 3P8, W/ELECTRIC FEED
11200301	GUARD, STORAGE PULLEYS 3P8 CPL	57253101	CLUTCH ASSEMBLY 3P8
11200401	GUARD, TOP PULLEYS 3P8 CPL	10900101	DRIVE PULLEY 3P8 HF CPL
11200501	GUARD, SLACK SIDE CHANNEL 3P8 CPL	10910201	LOWER ROLLER STORAGE 3P8 CPL
64110800	RECEPTACLE FEMALE 32A 400V	10910101	UPPER ASSEMBLY 3P8 CPL
65340301	TOOLKIT PENTRUDER 3P8 CPL	11200201	GUARD, MAIN DRIVE PULLEY 3P8 C
64114500	PROTECTIVE CAP 24V DIG FEMALE	11200301	GUARD, STORAGE PULLEYS 3P8 CPL
3P8 WIRE SAW OPTIONAL ITEMS NOT INCLUDED IN PART NUMBER 597137		11200401	GUARD, TOP PULLEYS 3P8
7710101	SATELLITE PULLEY, STRAIGHT CPL 90 DEGREES ROTATION	11200501	GUARD, SLACK SIDE CHANNEL 3P8 CPL
7710201	SATELLITE PULLEY, ANGLED CPL 120 DEGREES ROTATION	65340301	TOOLKIT PENTRUDER 3P8 CPL
		573700	WATER HOSE KIT FOR PENTPAK 427
		60480401	WATER VALVE COMPLETE WITH COUPLING
		64110800	RECEPTACLE FEMALE 32A 400V
		64114500	PROTECTIVE CAP, 24V DIG FEMALE
		64114600	PROTECTIVE CAP, 24V DIG MALE
		64114700	PROTECTIVE CAP, 100A DIG FEMALE
		64114800	PROTECTIVE CAP, 100A DIG MALE
		3P8 WIRE SAW OPTIONAL ITEMS NOT INCLUDED IN PART NUMBER 582100	
		7710101	SATELLITE PULLEY, STRAIGHT CPL 90 DEGREES ROTATION
		7710201	SATELLITE PULLEY, ANGLED CPL 120 DEGREES ROTATION

Pentruder Optional Items

PENTRUDER OPTIONAL ITEMS		
PART NUMBER	DESCRIPTION	DETAILS
WRC-HF	WIRELESS REMOTE CONTROL HF	
7810101	TROLLEY CART FOR HF-SAWS, ASSEMBLED	TRANSPORTS WALL SAW/ 2 TRACKS
11080701	BLADE GUARD FULL 32"	
11080801	BLADE GUARD FULL 40"	
11081601	BLADE GUARD FULL 42"	
11080901	BLADE GUARD FULL 48"	
11081701	BLADE GUARD FULL 54"	
11081001	BLADE GUARD FULL 63"	
11081101	BLADE GUARD FULL 79"	AVAILABLE ONLY FOR THE 8-20HF
11090601	FLUSH BLADE GUARD 32"	
11090701	FLUSH BLADE GUARD 40"	
11091001	FLUSH BLADE GUARD 42"	
11090801	FLUSH BLADE GUARD 48"	
11091101	FLUSH BLADE GUARD 54"	
11090901	FLUSH BLADE GUARD 63"	
49031801	TRACK 33" DOUBLE RACK CPL	
49031901	TRACK 45" DOUBLE RACK CPL	
49032001	TRACK 67" DOUBLE RACK CPL	
49032101	TRACK 79" DOUBLE RACK CPL	
49032201	TRACK 90.5" DOUBLE RACK CPL	
49032301	TRACK 11' DOUBLE RACK CPL	
43280101	JOINT BLOCK FOR TRACKS CPL.	CONNECTS 2 TRACKS
43101401	TRACK FOOT SYMMETRIC CPL	FOOT SWIVELS FOR FASTER SET UP
43100901	ANGLE-ADJUSTABLE TRACK FOOT	
42880501	BLADEFLANGE SUB ASSY, 1IN W. HEX CPL	1" ARBOR
42040801	FLUSH CUT. FLANGE 1" BC=4-1/4" CPL	1" ARBOR/PENTRUDER
42880601	BLADE FLANGE SUB-ASS 1-3/8"BORE CPL	BLADE FLANGE ASSEMBLY 1 3/8"
42040401	FLUSH CUTTING FLANGE 1-3/8" USA CPL	1 3/8" ARBOR/PENTRUDER
43850301	SML. DRILL TEMPLATE, SYM. TRACK FOOT	
43850101	LRG. DRILL TEMPLATE, SYM. TRACK FOOT	
64114800	PROTECTIVE CAP, 100A DIG MALE	PROTECTS ELECTRICAL CONNECTIONS
64114700	PROTECTIVE CAP, 100A DIG FEMALE	PROTECTS ELECTRICAL CONNECTIONS
64114600	PROTECTIVE CAP, 24V DIG MALE	PROTECTS ELECTRICAL CONNECTIONS
64114500	PROTECTIVE CAP, 24V DIG FEMALE	PROTECTS ELECTRICAL CONNECTIONS
60480401	VALVE FOR WATER HOSE WITH QD	
573700	WATER HOSE KIT FOR PENTPAK 427	
85041600L	WORM GEAR OIL, OMEGA 680 - LITRE	
85041700L	GEAR OIL, OMEGA 690 - LITRE	
85040500L	GEAR OIL, 626 - LITRE	

Pentruder CW630 Flush HF Power Cutter



Strong and durable for the professional concrete cutter

- Designed to run ICS bars, FORCE4® and PowerGrit® chains and ICS drive sprockets for optimum performance with cutting depths up to 25".
- High quality, reliable drive motor with 9 kW output power on the power cutter.
- Easy to use indoors without emissions or hydraulic hoses.
- Runs from the Pentpak HF power packs.
- Engineered to stand up to your toughest jobs, thanks to efficient motor cooling, durable rear handle and an easy-to-replace drive sprocket.

Technical Data Pentruder CW630/CW630 Flush HF Power Cutter

Specifications	CW630/CW630 FLUSH
Weight (w/15" bar and chain)	33 lbs
Bar length	10", 15", 20", 25"
Motor speed	6500 rpm
Powerhead dimensions	Length 23.0" Height 10.4" Width 9.4"
Output power	9 kW
Vibration level	2.4 meters/second (front handle) 4.5 meters/second (rear handle)
Sound level	94 dB @ 1m
Noise level	1-3 dB @ 1m
Water Flow	2 gpm/8 lpm (minimum)
Water Supply Requirements	Minimum 20 psi (1.4 bar)



Pentruder CW630 Flush HF Power Cutter

PENTRUDER CW630HF POWER CUTTER CONCRETE CUTTING CHAIN	
P/N	Description
CWF630HF-200	Pentruder CWF630HF 200V powerhead only
CWF630HF-400	Pentruder CWF630HF 400V powerhead only
PENTRUDER CW630HF POWER CUTTER CONCRETE CUTTING CHAIN	
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
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
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
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
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

Diamond Wire

Continuing the tradition of providing products with the highest level of quality and performance available, ICS is proud to offer the next generation of diamond wire. These wires are specifically designed for the applications of cutting concrete, with reinforcement and steel. ICS diamond wires are manufactured in a state-of-the-art facility with precision specifications to deliver the best in service, economy and performance.

Brazed Wire



From pure steel to reinforced concrete, brazed wire optimized performance for long life and fast cutting speed.

Hybrid Wire



Optimized for performance, long life and fast cutting, this sintered, multilayer brazed hybrid wire cuts the most demanding materials.

SPEC	Part Number	Description	Bead Diameter	BPM	Cable Diameter
Brazed					
B1UV	583939	BRAZED WIRE, B1UV BLUE, 50FT	10.5MM	40	4.8MM
B1UV	584024	BRAZED WIRE, B1UV BLUE, 100FT	10.5MM	40	4.8MM
B1UV	584026	BRAZED WIRE, B1UV BLUE, 328FT (100M)	10.5MM	40	4.8MM
B1UV	584930	BRAZED WIRE, B1UV BLUE, 500FT	10.5MM	40	4.8MM
B1UVB	600243	BRAZED WIRE, B1UVB BLACK, 50 FT	10.5MM	40	4.8MM
B1UVB	595795	BRAZED WIRE, B1UVB BLACK, 100 FT	10.5MM	40	4.8MM
B1UVB	604384	BRAZED WIRE, B1UV BLACK, 328FT (100M)	10.5MM	40	4.8MM
B3	575664	BRAZED WIRE, MULTILAYER B3, 50FT	10.0MM	40	4.8MM
B3	575153	BRAZED WIRE, MULTILAYER B3, 100FT	10.0MM	40	4.8MM
B3	579873	BRAZED WIRE, MULTILAYER B3, 328FT (100M)	10.0MM	40	4.8MM
B3B-PLUS	611141	HYBRID WIRE, B3B-PLUS, 100FT	10.5MM	40	4.8MM
B4	612815	BRAZED WIRE, B4, STEEL, 50FT	10.2MM	48	4.8MM
B4	612816	BRAZED WIRE, B4, STEEL, 100 FT	10.2MM	48	4.8MM
B10	575155	BRAZED WIRE, B10, STEEL, 100FT	10.2MM	44	4.8MM
B10	579874	BRAZED WIRE, B10, STEEL, 328FT (100M)	10.2MM	44	4.8MM
B13	576287	BRAZED WIRE, B13, STEEL, 100FT	8.8MM	48	3.8MM
B17	575154	BRAZED WIRE, B17, STEEL, 100FT	10.2MM	53	4.8MM
B19B-PLUS	605546	BRAZED WIRE, B19B PLUS, 50FT	10.5MM	44	4.8MM
B19B	603503	BRAZED WIRE, B19B, 100FT	10.5MM	44	4.8MM
B19B	604314	BRAZED WIRE, B19B, 328FT (100M)	10.5MM	44	4.8MM
B19B-PLUS	605513	BRAZED WIRE, B19B PLUS, 328FT (100M)	10.5MM	44	4.8MM
Wide Kerf					
B6-15MM	604509	BRAZED WIRE, B6, 15MM, 164FT (50M)	15.0MM	40	4.8MM
B6-15MM	596924	PLATED WIRE, E6-15MM, 164FT (50M)	15.0MM	40	4.8MM

Diamond Wire

Sintered Wire



Designed to provide smooth operation and extremely efficient use of the diamonds. A proven and economical way to cut fast in concrete and concrete with light steel

Electroplated Wire



Offering several options for cutting a wide range of materials. The proprietary design efficiently uses diamonds that are tuned to each unique application allowing you to optimize your wire sawing operations.

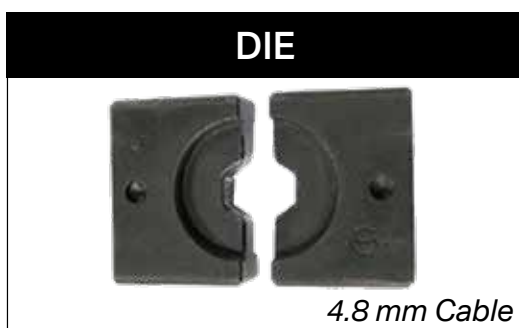
SPEC	Part Number	Description	Bead Diameter	BPM	Cable Diameter
Sintered					
S6	576299	SUPER WIRE, SINTERED, S6, 100FT	10.5MM	40	4.8MM
S14	571315	SUPER WIRE, SINTERED, S14, 50FT	11.0MM	40	4.8MM
S14	573146	SUPER WIRE, SINTERED, S14, 100FT	11.0MM	40	4.8MM
Electroplated					
E1	571316	PLATED WIRE, E1, HARD CONCRETE, 50FT	10.2MM	40	4.8MM
E1	573147	PLATED WIRE, E1, HARD CONCRETE, 100FT	10.2MM	40	4.8MM
E2	571317	PLATED WIRE, E2, STEEL, 50FT	10.8MM	40	4.8MM
E2	573148	PLATED WIRE, E2, STEEL, 100FT	10.8MM	40	4.8MM
E4	571318	PLATED WIRE, E4, STEEL, 50FT	10.8MM	48	4.8MM
E4	573159	PLATED WIRE, E4, STEEL, 100FT	10.8MM	48	4.8MM
D5	571319	PLATED WIRE, E5, FINISH, 50FT	8.8MM	40	3.8MM
E5	573160	PLATED WIRE, E5, FINISH, 100FT	8.8MM	40	3.8MM
E6	583695	PLATED WIRE, E6, FINISH, 200FT	8.8MM	48	3.8MM
E12	581886	PLATED WIRE, E12, FINISH, 100 FT	7.5MM	48	3.8MM
E13	576288	PLATED WIRE, E13, FINISH, 100FT	8.8MM	48	3.8MM
E16	612156	PLATED WIRE, E16, 100FT	13.0MM	40	4.8MM
E16	596925	PLATED WIRE, E16, 164FT (50M)	13.0MM	40	4.8MM
E16	607879	PLATED WIRE, E16, 328FT (100M)	13.0MM	40	4.8MM
E17P	602842	PLATED WIRE, E17P, FINISH, 100FT	10.5MM	53	3.8MM
E17P	601976	PLATED WIRE, E17P, FINISH, 328FT (100M)	10.5MM	53	3.8MM
Continuous Loop					
<i>Unique loop sizes available upon request. Ask your ICS sales representative for details.</i>					
E4-LOOP	575117	PLATED WIRE, LOOP, E4, STEEL, 28FT	10.8MM	48	4.8MM
E5-LOOP	574637	PLATED WIRE, LOOP, E5, FINISH, 28FT	8.8MM	40	3.8MM
E5-LOOP	575321	PLATED WIRE, LOOP, E5, FINISH, 23FT	8.8MM	40	3.8MM
B4-LOOP	575877	BRAZED WIRE, LOOP, B4, STEEL, 23FT	10.2MM	48	4.8MM
B4-LOOP	576265	BRAZED WIRE, LOOP, B4, STEEL, 30FT	10.2MM	48	4.8MM
B10-LOOP	577270	BRAZED WIRE, LOOP, B10, STEEL, 34FT	10.2MM	44	4.8MM

Diamond Wire Accessories



	P/N	TYPE	PACKAGE SIZE (pcs.)	OUTER DIAMETER (mm)	INNER DIAMETER SLEEVE (mm)	FITS CABLE DIAMETER (mm)	MSRP
Connectors	571262	Straight	30 pcs.	9.2	5.3	4.8 mm	\$46.00
	581887	Straight	30 pcs.	7.8	4.2	3.8 mm	\$47.00
	571263	Flexible 1 pin	5 pcs	9.4	5.2	4.8 mm	\$255.00
	571264	Screw	20 pcs	9.0	5.3	3.8 mm	\$40.00
	576286	Screw	30 pcs	7.8	5.3	4.8 mm	\$46.00
	571265	Flexible 2 pin	5 pcs	9.5	5.2	4.8 mm	\$73.00

Diamond Wire Accessories



P/N 571266



P/N 571267



P/N 571268



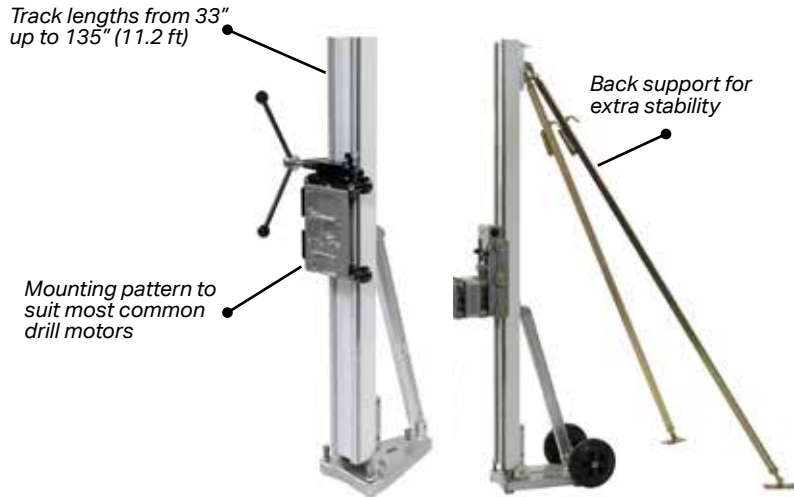
P/N 602575

Accessories	P/N	TYPE	MSRP
	571266	Die (used for crimps that fit 4.8mm cables)	\$115.00
	571267	Press (5 tons)	\$1,983.00
	571268	Pin Remover	\$172.00
	602575	Cable Cutter	\$455.00
	602451 (not pictured)	Replacement pins for Flexible Connectors	\$55.00
	602450 (not pictured)	Wire Cutting Die	\$277.00
	602407 (not pictured)	Wire Crimping Die 3.8 mm cable (crimps up to 6 mm)	\$115.00
	602399 (not pictured)	Wire Crimping Die 3.8 mm cable (crimps up to 7mm)	\$115.00
	603665 (not pictured)	Flexible Wire Connector 3.8 mm, single pin, 5pc	\$73.00
	603180 (not pictured)	Carry Case (for 5 ton press and accessories)	\$135.00

Pentruder universal drill rig for TS track

Light-weight, yet very stable drill rig for any kind of drill motor

- Drill up to 29.5" with the CER Roller carriage and over 39" with the CEG Carriage.
- Stepless adjustment of angle forwards and backward until 60°.
- Highest quality in the smallest details makes this drill rig extremely durable.
- Wheel kits for easy transportation.



Technical Data Pentruder universal drill rig

Specifications

BTS4 / BTS5 Base plate	18.2 lbs / 30 lbs
TS Track, 0.85 / 1.15 / 2 / 2.3 / 3.45 m	15.4/foot
CER-M3-U Carriage rollers, manual feed, for use with other drill motors	8.8 lbs

Line and corner drilling carriage for TS track

The most efficient way to line drill with any drill motor

- The CEL-TS Line and corner drilling carriage will make line drilling easy. For extra stability, use it with the CT-CEL back support.
- The CEL-TS Line and corner drilling carriage can be used as a simple pivoting head, providing a fixed coupling at 90° angle to the track.
- With a combination of different MCCS modules, the professional concrete cutter can solve the most challenging drilling jobs.
- Used with any of the CER and CEG carriages.



Core drill modules overview

A heavy duty drill rig with just a few modules

Pivoting head and line drilling modules



CEG-PDT1
Pivoting head incl support



CEL-TS
Line and corner drilling carriage for TS Track



CT-CEL
Back support for CEL-TS



CEL-CN
Line and corner drilling carriage for TS Track and CN Column

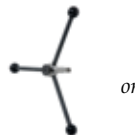
Rig TS track system modules



CER-M3-U
Carriage rollers, manual feed, for use with other drill motors



ERMD1
Extension adapter



HK-1
Hand crank



or

Knuckle bar
400 mm, 1/2"



TS Track
33", 45", 67", 79", 90", 11.2ft.



TP3
Track stop



RT-TS1
Rear support for TS Track



BTS4
Base plate



WT-BTS4
Wheel kit



BTS5
Base plate heavy duty



WT-BTS5-200
Wheel kit



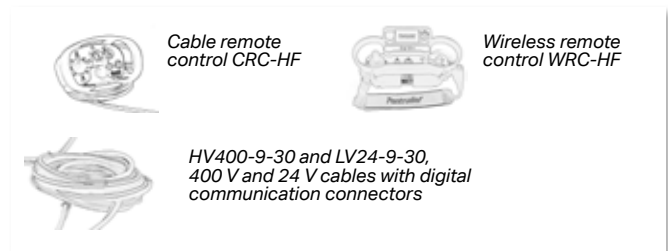
WT-BTS5-300
Wheel kit

Overview Pentruder Concrete Cutting System

HF-power packs

Pentpak 427, 3-phase

Remote control and cables



Electrical motors

22 kW HF

18 kW HF

15 kW HF



HFR22-400

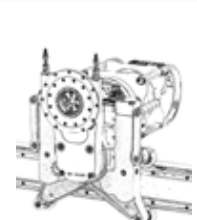
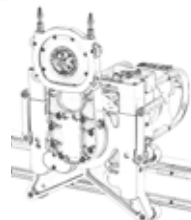
HFR18-400

HFR15-400

15 18 22 kW HF
Pentruder 8-20HF

15 18 22 kW HF
Pentruder CBK

15 18 kW HF
Pentruder 6-10HF



8-20HF, Max 79" blade
Max cutting depth 36.4"

CBK, Max 63" blade
Max cutting depth 28.5"

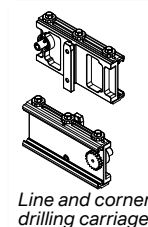
6-10HF, Max 48" blade
Max cutting depth 20.2"

Wall saws

Wire saw modules

Drilling modules

Single T-slot track (TS)

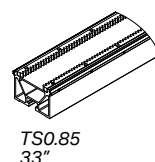


Line and corner
drilling carriage

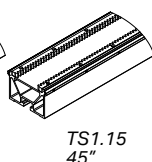


CT-CEL
Back support for
CEL-TS

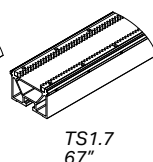
Track system for Wall sawing Wire sawing Drilling



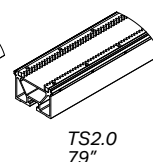
TS0.85
33"



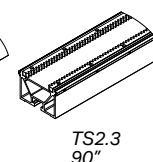
TS1.15
45"



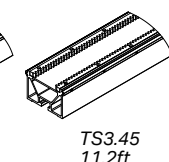
TS1.7
67"



TS2.0
79"

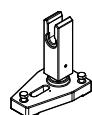


TS2.3
90"



TS3.45
11.2ft

Track foot symmetric TF2S



TF2S
Swivelling
fork

Track foot angular TFAB



TFAB
Angle cutting
attachment,
to be used
with TF2S

Base plate BTS-4

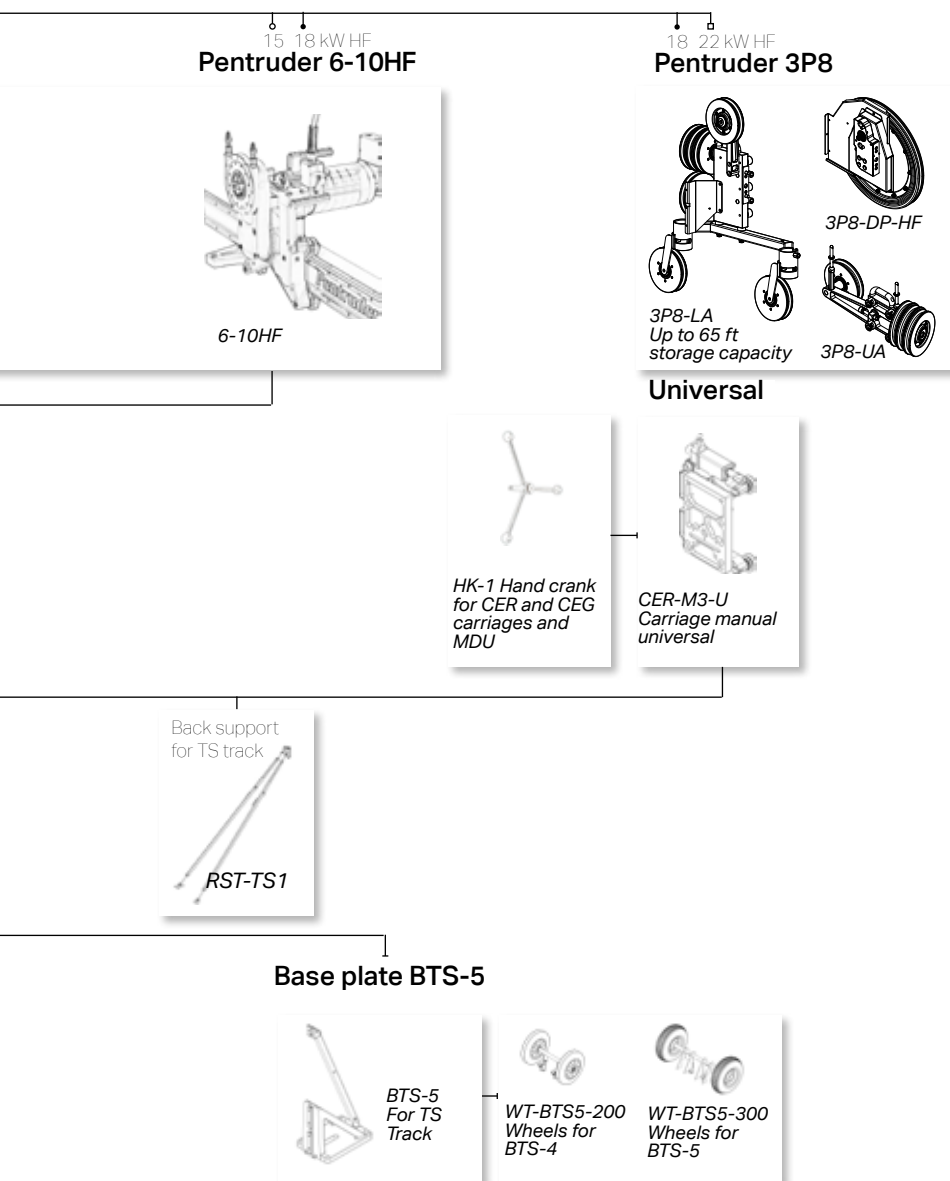


BTS-4
For TS
Track



WT-BTS4
Wheels
for BTS-4

TS Track system

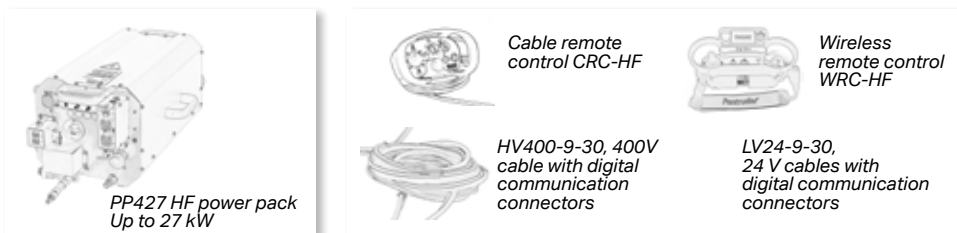


Overview Pentruder Concrete Cutting System

HF power pack

Pentpak 427, 3-phase

Remote control and cables



22 kW HF

18 kW HF

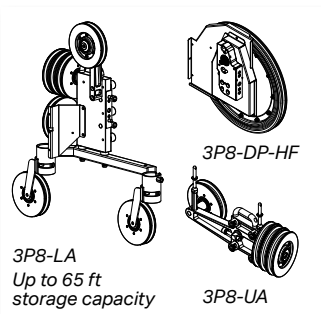
15 kW HF

Electrical motors

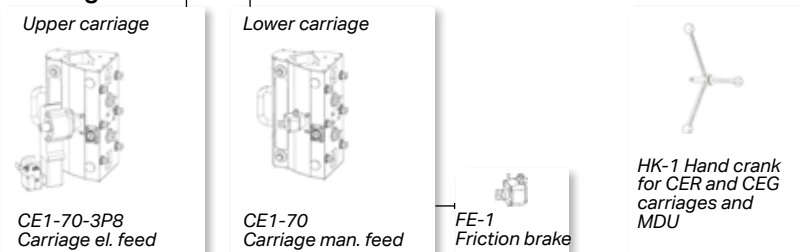


18 22 27 kW HF
Pentruder 3P8

Wire saw modules
Drilling modules



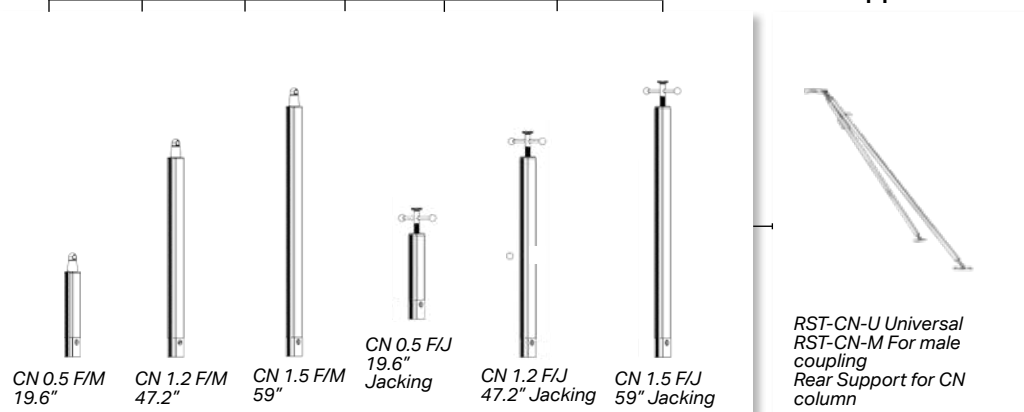
Carriages



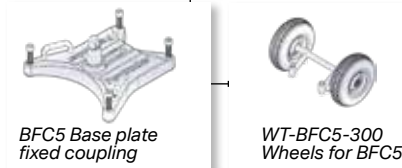
Rig system with 70 mm column for wire sawing drilling

Columns

Rear support



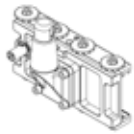
Base plate



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CN Column system

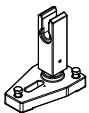


*CEL-CN Line and corner
drilling carriage for TS
track and CN column*



*CT-CEL Back
support for CEL-CN
and CEL-TS*

Track foot TF2S



*TF2S
Swivelling fork*

ICSDIAMONDTOOLS.COM

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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 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.

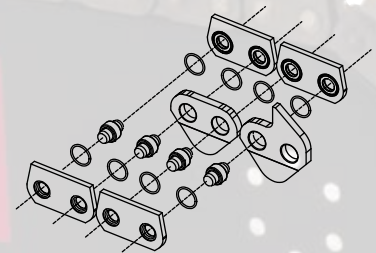
ICS chain, coupled with our best-in-class guidebars and powerheads gives you a cutting system that can plunge cut up to 25" deep. Our system also allows you to cut tight radiuses and clean, square corners with no overcuts. All our powerheads are designed for wet cutting and have integrated water delivery 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

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. 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.



ICSDIAMONDTOOLS.COM

800.321.1240



695XL

GAS POWER



6.4

horsepower

94cc

displacement

20psi

water supply

2gpm

water flow

50:1

fuel mix

GC



Operates FORCE3
concrete cutting chain

UNRELENTING

F4



Operates FORCE4
concrete cutting chain

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.

PG



Operates PowerGrit
pipe cutting chain

*See the entire list of available powerheads,
guidebars & chains on pg 24*

800.321.1240

890F4

HYDRAULIC POWER



8 gpm model

6.0

horsepower

7.0ft-lbs

torque

8.0

horsepower

12 gpm model

10.0ft-lbs

torque

2500psi

hydraulic supply

20psi

water supply

2gpm

water flow

F4



Operates FORCE4
concrete cutting chain

UNYIELDING

FLUSH



Operates FORCE4
concrete cutting chain

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.

PG



Operates PowerGrit
pipe cutting chain

*See the entire list of available powerheads,
guidebars & chains on pg 26-27*

800.321.1240

814PRO

HYDRAULIC POWER



6.0 **7.0ft-lbs**

horsepower

torque

8gpm **2500psi** **20psi** **2gpm**

hydraulic supply

water supply

water flow

UNFALTERING

814



Operates TwinPRO
concrete cutting chain

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 tooting 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 2gpm

air supply requirements

water supply

water flow

F4



Operates FORCE3
concrete cutting chain

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.

PG



Operates PowerGrit
pipe cutting chain

800.321.1240

*See the entire list of available powerheads,
guidebars & chains on pg 26-27*

DIAMOND CHAINS



FORCE3



Concrete cutting chain

FORCE4



Concrete cutting chain

POWERGRIT



Pipe cutting chain

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.

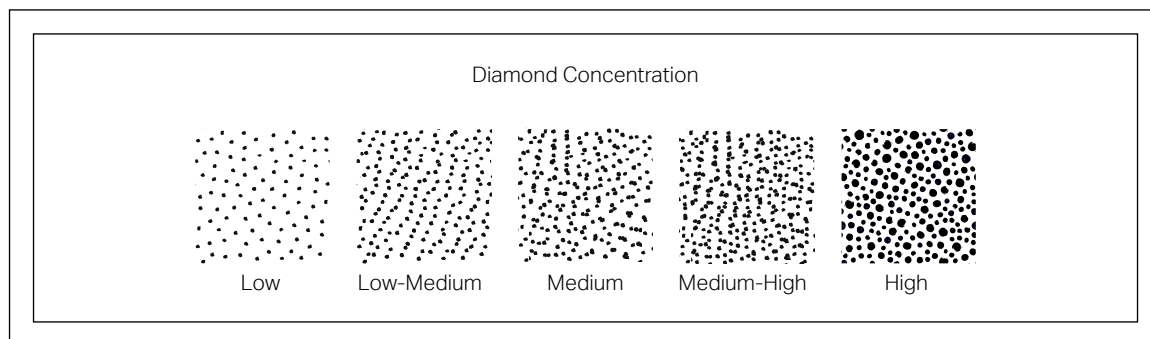
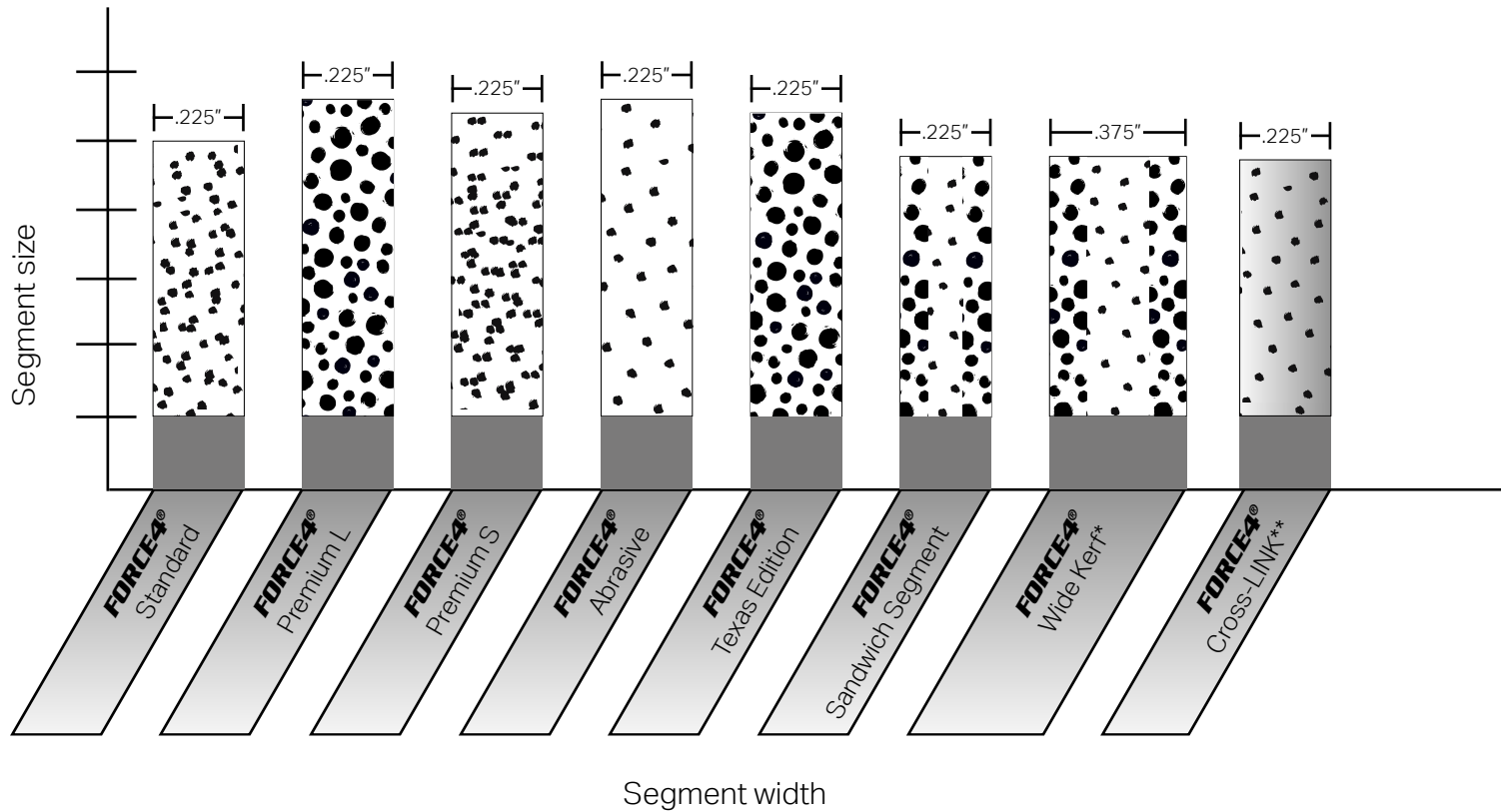
Chain Selection Chart

		Power Cutter Compatibility	Abrasive natural stone/brick	Soft natural stone Concrete hardness $\leq 3,000$ psi	Medium concrete/ light reinforcement Concrete hardness 3,000 - 6,000 psi	Hard concrete/ heavy reinforcement concrete hardness $\leq 8,000$ psi	Ductile iron/cast iron ac pipe/clay pipe/PVC	HDPE
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		♦♦	♦♦♦	♦			
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		♦	♦♦	♦♦♦			
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.

♦	Good
♦♦	Better
♦♦♦	Excellent
♦♦♦♦	Best

FORCE4 Segment Variation



* volume difference related to width not represented
 ** full house configuration

Cross-LINK



Faster cuts, smoother handling, longer life

FORCE4 Standard



Tough, general purpose diamond chain

FORCE4 Premium L



Delivers longer life in hard aggregate

FORCE4 Premium S



Speed and strength in one diamond chain

FORCE4

DIAMOND CHAIN®



FORCE4 Abrasive



Excels in the abrasive cutting environments

FORCE4 Sandwich



Improved cut straightness
and longer side clearance

FORCE4 Texas Edition



Soft segment for very hard materials

FORCE4 Wide Kerf



Best for door installation

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.



FORCE3

DIAMOND CHAIN

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.

ICS Diamond Tools & Equipment

FORCE3 Standard



Fast cutting, economical chain
for everyday use

FORCE3 Premium



Best chain to cut harder
aggregates and heavier rebar

FORCE3 Brick



Larger segments for longer life.
Best for cutting brick, block, and more

PowerGrit



Designed to cut ductile iron, cast iron and more

PowerGrit XL



Specifically designed to cut high-density polyethylene (HDPE)

***PowerGrit*[®]** **PIPE CUTTING CHAIN**

***PowerGrit*[®] XL** **PIPE CUTTING CHAIN**

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.



12GPM MODEL
MERIT



8GPM MODEL
P95

PART NUMBER	DESCRIPTION
M300-23HP-G-HPP	MERIT POWERPACK
599653	P95 POWERPACK

ICS Gearbags

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.



PART NUMBER	DESCRIPTION
529551	SPEEDHOOK SYSTEM

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



PART NUMBER	DESCRIPTION
537640	PIPE CLAMP
537634	PIPE CLAMP AXLE

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
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.



PART NUMBER	DESCRIPTION
73862	TSS-15 VACUUM SYSTEM
71285	TSS-55 VACUUM SYSTEM
71248	TSS VACUUM ATTACHMENT
73852	TSS SQUEEGE
73854	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

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	Pentrunder 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)									
	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)	
<i>guidebars, diamond Chains and drive sprockets fit 633GC</i>	
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
695F4 GAS POWER CUTTERS AND CONSUMABLES (.444 PITCH)	
<i>guidebars, diamond Chains and drive sprockets fit 633F4</i>	
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	ICS 695F4 Guidebar 16 in/40 cm

POWER CUTTERS & CONSUMABLES

680GC GAS POWER CUTTERS AND CONSUMABLES	
<i>guidebars, diamond Chains and drive sprockets fit 613GC</i>	
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
584290	ICS FORCE3 Chain 12 in/30 cm, 58 Drive Links
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
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

680 - GAS

814PRO HYDRAULIC POWER CUTTER AND CONSUMABLES	
75256	ICS 814PRO Powerhead 8 gpm/30 lpm
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

814 HYDRAULIC

POWER CUTTERS & CONSUMABLES

890 HYDRAULIC

890F4 HYDRAULIC POWER CUTTERS AND CONSUMABLES	
<i>guidebars, diamond Chains and drive sprockets fit the 880 series power cutters</i>	
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 Powerhead 8 gpm/30 lpm, 8 ft/2.5m hose whips
566112	ICS 890F4 Hydraulic Powerhead 12 gpm/45 lpm, 1 ft/30 cm hose whips
566116	ICS 890F4 Hydraulic Powerhead 12 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
566717	ICS 890F4-15 - 15 in/38 cm Guidebar, ProFORCE Chain, 8 ft/2.5m hose whips, case
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
566710	ICS 890PG-15 - 15 in/38 cm Guidebar, PowerGrit Chain, 8 ft/2.5m hose whips, case
566124	ICS 890PG-20 - 20 in/50 cm Guidebar, PowerGrit Chain, 1 ft/30 cm hose whips, case
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
566712	ICS 890PG-15 - 15 in/38 cm Guidebar, PowerGrit Chain, 8 ft/2.5m hose whips, case
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 XL Chain 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

701 PNEUMATIC

701-A PNEUMATIC POWER CUTTERS	
P/N	Description
573511	ICS 701-A Powerhead, pneumatic
574171	ICS 701-A Power Cutter Pkg with 15 in/38 cm Guidebar, PowerGrit chain
574172	ICS 701-A Power Cutter Pkg with 20 in/50 cm Guidebar, PowerGrit chain
574173	ICS 701-A Power Cutter Pkg with 15 in/38 cm Guidebar, ProFORCE chain

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
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
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
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
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
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

890 / 701 GUIDE BARS & DIAMOND CHAINS

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/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 S12.9-2012/ISO 3741:2010

(2) Measured in accordance with ISO 5349-1:2001, ISO 22867:2011 and ISO 19432:201

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

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/s ² (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.

890F4 TECHNICAL SPECIFICATIONS

	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 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 (1.4 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/s ² (K=0.1 m/s ²) Front Handle 6.0 m/s ² (K=1.4 m/s ²) Rear Handle	
Vibration $a_{hv,eq}$ PowerGrit Cutting (3)	4.6 m/s ² (K=0.1 m/s ²) Front Handle 4.8 m/s ² (K=0.3 m/s ²) Rear Handle	

*Guidebars, chains and drive sprockets fit 890F4

(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.

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 m ³ /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 $a_{hv,eq}$ 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 $a_{hv,eq}$ 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 L_{wa} (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

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