



880 F4 - Hydraulic
Ductile Iron Pipe repair
Little Elm, TX - 2011

Hydraulic Power

890 Series

If you're looking for the highest level of performance and cutting capability, look no further. The 890PG Hydraulic-Power Cutter with PowerGrit® chain offers cutting depths of up to 25" in ductile iron, cast iron, PVC, HDPE and Insituform lining. The deep cutting ability of the 890PG allows the operator to make a single cut from one side meaning less excavation is required. All our power heads are designed for wet cutting and have integrated water delivery systems that reduce airborne particles during the cut. The 890PG is capable of operating the full line of FORCE4® concrete cutting chains, meaning you can use the power cutter on masonry, stone, and even reinforced concrete - perfect for pipe taps, utility vaults, bridge work, and other utility applications.



890 PG HYDRAULIC POWER CUTTER AND CONSUMABLES

PART NUMBER	DESCRIPTION
566110	ICS 890F4 Powerhead 8 gpm, 1 ft hose whips
566355	ICS 890F4 Powerhead 8 gpm, 8 ft hose whips
566112	ICS 890F4 Powerhead 12 gpm, 1 ft hose whips
566116	ICS 890F4 Powerhead 12 gpm, 8 ft hose whips
566123	ICS 890PG-15 Pkg 8 gpm, 1 ft hose whips, case
566710	ICS 890PG-15 Pkg 8 gpm, 8 ft hose whips, case
566125	ICS 890PG-15 Pkg 12 gpm, 1 ft hose whips, case
566712	ICS 890PG-15 Pkg 12 gpm, 8 ft hose whips, case
566124	ICS 890PG-20 Pkg 8 gpm, 1 ft hose whips, case
566711	ICS 890PG-20 Pkg 8 gpm, 8 ft hose whips, case
566126	ICS 890PG-20 Pkg 12 gpm, 1 ft hose whips, case
566716	ICS 890PG-20 Pkg 12 gpm, 8 ft hose whips, case
537764	ICS PowerGrit Chain 15 inch
537765	ICS PowerGrit Chain 20 inch
545017	ICS PowerGrit Chain 25 inch
529829	ICS 890F4 Guidebar 10 inch
523080	ICS 890F4 Guidebar 15 inch
529767	ICS 890F4 Guidebar 20 inch
525320	ICS 890F4 Guidebar 25 inch
565065	ICS 890F4 Drive Sprocket
565066	ICS 890F4-FLUSH Drive Sprocket
70636	890F4 Tensioner Kit
523946	890F4-FL Tensioner Kit

890F4/PG TECHNICAL SPECIFICATIONS

	8 gpm (30 lpm)	12 gpm (45 lpm)
Powerhead Weight (1' hose whips)	23.5 lbs (10.6 kg)	
L / H / W	23 in (58.5 cm)/10.5 in (26.5 cm)/ 9.5 in (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 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	

(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.