

DWG 416

Diamond Wire Pipe Cutting Saw

General		Yes	No	Specify
Cutting Capacity	Folding leg design to reduce storage / transport size and improved access to confined spaces. Model 208 for cutting 2" to 8" / Model 416 for cutting 4" to 16".	X		
Operating Envelope	Width of 416 - 17.1" (434mm) legs folded and 31" (787mm) legs open Mounting clearance - DWG 416 requires 13" (330mm) of exposed pipe	X		
Cutting Media	Seamless pretensioned diamond infused wire utilizing 46 conical beads per meter.	X		
Pipe Materials	Cuts most types of pipe including steel, ductile, cast iron, concrete (CA), poly, PVC and mixed media.	X		
Supply Requirements	Hydraulic 8 GPM @ 2,000 PSI (30 LPM @138 BAR) or Class 2 tool circuit. Hydraulic drive system allows for fully immersed operation.	X		
Corrosion Protection	Aluminum and stainless steel corrosion resistant construction.	X		

Ergonomics & Safety		Yes	No	Specify
Mounting Clamp	Saw clamps to pipe with a quick, secure chain mounting system, minimizing the risk of tool kickback injuries.	X		
Feed Patent: 10434589	Movement of the cutting media is controlled by top mounted feed screw and operator controls, reducing the risk of injury from being hunched over/under a pipe.	X		
Guarding	Cutting media and drive wheels are contained within the saw's frame guards for safety, with no exposed cutting elements running in an uncontrolled environment.	X		
Handling	Top of frame has lifting handle and accommodation for lifting strap, saw legs fold inward for transport and storage.	X		

Operation		Yes	No	Specify
Pinch Free Cutting	Nothing is inserted into a pipe cut that is not cutting, so no need for shims or wedges to prevent a collapsing pipe from binding the tool.	X		
Cut Load Sensing Patent: #11344959	Cutting wire tension is controlled by a preloaded spring cartridge and monitored by a gauge at the rear of the machine; this mechanism allows one of the two cutting support arms to pivot as cutting load increases to optimize wire life.	X		
Cutting Speed	Average cut speed equals 1 minute per 3" of diameter pipe (12" pipe approximately 4 minutes) depending on material.	X		
Cutting Media Life	Diamond cutting wire is torsionally preloaded so with every revolution the beads rotate, exposing all 360 degrees of the bead, providing long diamond wire bead life.	X		
Coolant Delivery Patent: #10562117	Internal water coolant delivery jets cool the diamond wire entering and exiting the cut, to ensure long wire bead life.	X		
Cut Quality	Saddle mounting insures pipe end is cut square to pipe axis with < .0625" deviation.	X		
Mounting	Can be secured to both horizontal and vertical pipe.	X		

Storage & Accessories		Yes	No	Specify
Transport	Wooden shipping crate standard. Optional stainless and tube steel wheeled transport and storage frame provides protection and storage for tools, supplies and portable water coolant supply.			Optional
Portable Coolant	Standard 3.5 gallon portable water coolant tank with pump.	X		
Tool-Free Operation	Setup, operate, service consumables and store without ever needing a hand tool.	X		
Cleanup	Includes equipment wash down nozzle and spray lubricant	X		