



## ROTATING HYDRO-EXCAVATION NOZZLE



**DIG FASTER.  
SAVE WATER.**

**PERFORMANCE** – The RIPSAN blasts a 0° straight water stream at up to 3200 PSI while rotating at an optimal speed to provide an 18° cone of coverage. The cone-shaped flow pattern is ideally suited for potholing applications.

**DURABILITY** – These heavy duty, high impact nozzles are constructed with a stainless steel housing and tungsten carbide wear surfaces to withstand harsh environments and provide longer life than ceramic nozzles. Repair kits are also available for extended life and lower operating costs.

**SAFETY** – Non-conductive urethane coating on the nozzle body protects users and sensitive underground utilities. Select from the traditional coating or upgrade to the new heavy duty coating - a special formulation designed for use in extreme environments including frost, shale, and other rocky conditions.

**EFFICIENCY** – Greater impingement allows you to complete jobs faster or use a smaller nozzle size while getting the same impact as nozzles with higher GPM flow rates.



Traditional Coating

Heavy Duty Coating

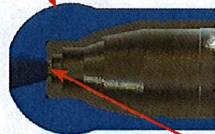






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**Urethane Coating:**  
Protects users and sensitive underground utilities. Select from traditional coating or upgrade to heavy duty coating



**Rubber Boot:**  
Provides a smooth rotational surface



**Tungsten Carbide Nozzle Tip & Seat:**  
Will outlast inferior ceramic nozzles



**Inlet Screen:**  
Protects nozzle from contaminants



NOZZLE SIZE	RIPSAW HD NOZZLE PART NUMBER	RIPSAW NOZZLE PART NUMBER	REPAIR KIT PART NUMBER	FLOW RATE CHART (GPM)					
				@ 1000 PSI	@ 1500 PSI	@ 2000 PSI	@ 2500 PSI	@ 3000 PSI	@ 3200 PSI
3.0	508481HDA-30	508481D-30	508544A-30	1.5 GPM	1.8 GPM	2.1 GPM	2.4 GPM	2.6 GPM	2.7 GPM
4.0	508481HDB-30	508481E-30	508545A-30	2.0 GPM	2.4 GPM	2.8 GPM	3.2 GPM	3.5 GPM	3.6 GPM
5.0	508481HDC-30	508481F-30	508546A-30	2.5 GPM	3.1 GPM	3.5 GPM	4.0 GPM	4.3 GPM	4.5 GPM
6.0	508481HDD-30	508481A-30	508547A-30	3.0 GPM	3.7 GPM	4.2 GPM	4.7 GPM	5.2 GPM	5.4 GPM
8.0	508481HDE-30	508481B-30	508548A-30	4.0 GPM	4.9 GPM	5.7 GPM	6.3 GPM	6.9 GPM	7.2 GPM
10.0	508481HDF-30	508481-30	508481R-30	5.0 GPM	6.1 GPM	7.1 GPM	7.9 GPM	8.7 GPM	8.9 GPM
12.0	508481HDG-30	508481C-30	508550A-30	6.0 GPM	7.3 GPM	8.5 GPM	9.5 GPM	10.4 GPM	10.7 GPM

### SPECIFICATIONS:

Minimum Inlet Pressure: 1,000 PSI (69 bar)  
Maximum Inlet Pressure: 3,200 PSI (220 bar)  
Maximum Water Temperature: 180°F (+82°C)  
Housing Material: Stainless Steel  
Coating Material: Urethane  
Nozzle Tip & Seat Material: Tungsten Carbide  
Inlet Connection Thread: 1/2" FNPT

### REPAIR KIT INCLUDES:

