



## 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.



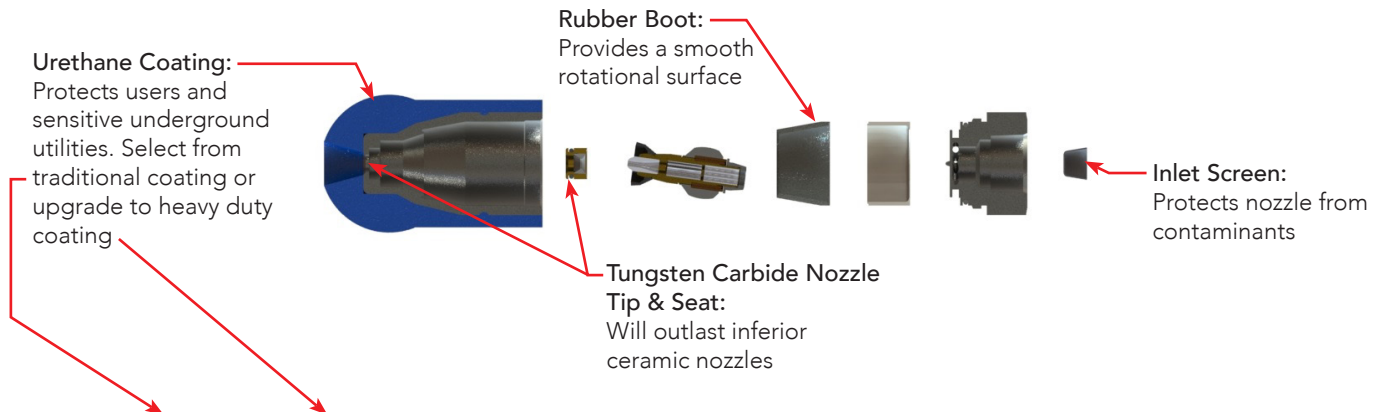
Traditional Coating

Heavy Duty Coating





# ROTATING HYDRO-EXCAVATION NOZZLE



NOZZLE SIZE	RIPSAW NOZZLE PART NUMBER	RIPSAW HD 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	1001857-030	1002719-030	1001858-030	1.5 GPM	1.8 GPM	2.1 GPM	2.4 GPM	2.6 GPM	2.7 GPM
4.0	1001857-040	1002719-040	1001858-040	2.0 GPM	2.4 GPM	2.8 GPM	3.2 GPM	3.5 GPM	3.6 GPM
5.0	1001857-050	1002719-050	1001858-050	2.5 GPM	3.1 GPM	3.5 GPM	4.0 GPM	4.3 GPM	4.5 GPM
6.0	1001857-060	1002719-060	1001858-060	3.0 GPM	3.7 GPM	4.2 GPM	4.7 GPM	5.2 GPM	5.4 GPM
8.0	1001857-080	1002719-080	1001858-080	4.0 GPM	4.9 GPM	5.7 GPM	6.3 GPM	6.9 GPM	7.2 GPM
10.0	1001857-100	1002719-100	1001858-100	5.0 GPM	6.1 GPM	7.1 GPM	7.9 GPM	8.7 GPM	8.9 GPM
12.0	1001857-120	1002719-120	1001858-120	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:

