

ROTARY NOZZLE DIA 25.00 MM**ITEM NO: YE25.3.00.7****INLET 1/4" BSP****Technical Data Sheet: Rotary Hydrojetting Nozzle**

Specification	Value	Notes
Material	SS440 Stainless Steel	High-carbon martensitic steel for wear resistance.
Hardness	55 HRC	Heat-treated to provide high hardness and durability.
Nozzle Type	Rotary Nozzle	Combines high-pressure cleaning with a spinning motion.
Water Inlet Diameter	3.0 mm	Hole in the shaft for water entry.
Jet Orifice Diameter	0.7 mm	Two orifices in the rotary bush.
Number of Orifices	2	Located in the rotary bush.
Jet Angle	~30 degrees	Provides rotational force from water jets.
Estimated Performance with 115 kW Pump at 800 bar		
Performance Metric	Estimated Value	Method of Calculation
Flow Rate (LPM)	~69.00 LPM	Calculated using the total orifice area, pressure, and a discharge coefficient of 0.98.
Rotational Speed (RPM)	2000 or more	Depends on internal friction, bearing design, and fluid dynamics, which are not specified.
Estimated Service Life	Varies significantly	Dependent on water quality and operating conditions; APPROX 40 hours or more