

VORTECH™ JETTING NOZZLE

APPLICATION

- Standard Jetting operations
- Clean out runs
- Debris circulation
- Nitrogen lifting
- Spotting operations
- Well Stimulation operations

FEATURES

- One piece design
- Standard NPT ports
- Fully adjustable jet size
- Easily redressed

ADDITIONAL INFORMATION

- Common sizes are shown, other sizes available on request.
- Tools are manufactured from mild steel as standard. Other materials are available on request.
- Bespoke designs available to suit job specific applications.

The WellEnTech VorTech™ jetting nozzle is a ported sub which is run at the bottom of a tool string. It provides a means of directing high velocity fluid exactly where it is needed. The ports are angled and off set to the tool axis which works in conjunction with the tubing geometry to produce a ‘swirling’ fluid pattern for a more effective cleaning action. The NPT ports enable the user to select different orifice sizes without need to use different tools for each run.

TECHNICAL SPECIFICATION

OD (Inches)	Length (Inches)	Connection	Nozzle	Tensile Strength (lbs)	Service	Part No.
1.688	6.50	1" AMMT Box	3 x 1/8" NPT	62,400	Std.	133-1688-ST01
				45,400	H2S	133-1688-SH01
2.125	8.00	1-1/2" AMMT Box	4 x 1/8" NPT	116,500	Std.	133-2125-ST01
				84,700	H2S	133-2125-SH01
2.875	9.50	2-3/8" PAC Box	4 x 1/4" NPT	218,500	Std.	133-2875-ST01
				158,900	H2S	133-2875-SH01

OPERATION

The WellEnTech VorTech™ jetting nozzle is configured at surface. The operator decides, prior to running in hole, what flow area is required. With the nozzles being NPT threads they can be readily fitted and replaced. The Nozzle is then fitted to the bottom of the tool string and run in hole.

