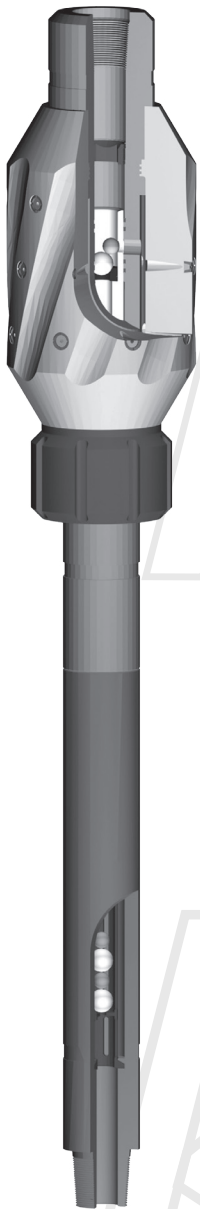


PBL Multiple Activation Jetting Tool



The PBL Multiple Activation Jetting Tool utilizes the same industry proven components used in the PBL Bypass System. There are several unique features to this jetting tool that stand out from others on the market:

- It is a totally balanced system that is unaffected by hydrostatic pressure
- The ball shearing pressure can be set to the operator's preference
- The tool can be cycled multiple times in a single trip

The PBL Multiple Activation Jetting Tool has many uses in the completion environment including:

- Removal of cuttings and filter cake build-up in the riser and BOP stack
- Increasing flow rates to aid in hole cleaning during displacements
- Can be used in conjunction with various brush tools for maximum riser cleanup
- Cleanout of BOP, risers and liner tops without additional trips

TECHNICAL SPECIFICATIONS FOR JETTING TOOL

Tool OD (in)	Drift ID ¹ (in)	Port TFA ² (in ²)	Number of Ports	Connections	Cycles
11	1.5	1.32	12	4 1/2 IF	5
16	1.5	1.98	18	4 1/2 IF	5

¹ Alternative Drift ID's may be available on request

² TFA utilizing #12 nozzles listed. Alternative configurations available.