

# PBL® Multiple Activation Jetting Tool

The PBL® Multiple Activation Jetting Tools utilize the same industry proven components used in the DSI PBL® Multiple Activation Bypass System. Enhanced cleanout operations are conducted through an array of jet nozzles positioned throughout the sleeve.

## UNIQUE FEATURES

- Balanced system, unaffected by hydrostatic pressure
- Ball shearing pressure can be set to the operator's preference
- Shear pressure can be set high to "shock" the drill pipe to aid in scale and cement removal
- Tool can be cycled multiple times in a single trip

## APPLICATIONS IN DRILLING AND COMPLETION

- Cleanout of BOP, risers, liners hangers, and liner tops without additional pipe trips
- Increased flow rates to aid in hole cleaning during displacements
- Can be utilized with various brush and cleanout tools for maximum riser cleanup
- In BHA, cleanouts while tripping out of hole without rotation of the drill pipe



<b>Tool OD (in.)</b>	6 3/4	8 1/4	9 1/2
<b>Connection</b>	NC-50	6 5/8 REG	7 5/8 REG
<b>Sleeve OD (in.)</b>	11 or 16 <sup>1,2</sup>	16.25 <sup>1,2</sup>	16.25 <sup>1,2</sup>
<b>Number of ports <sup>3</sup></b>	12 or 18	30	30
<b>PBL® Cycles <sup>4</sup></b>	5	5	5
<b>Drift ID (in.) <sup>5</sup></b> When balls are in tool	1.27 to 1.80	1.50 to 2.27	1.50 to 2.27

<sup>1</sup> Sleeve blades coated with "casing friendly" material

<sup>2</sup> Alternate diameters may be available

<sup>3</sup> All port nozzles are field changeable

<sup>4</sup> Extended length cages may be available on request

<sup>5</sup> Minimum tool ID could vary if Activation Ball or Dart is used

BENEFITS

SPECIFICATIONS