Booster Bypass Tool

DSI
AN SBO COMPANY

The Booster Bypass Tool was developed to assist operators in achieving higher flow rates **while drilling.** By splitting the flow while drilling, the operator will achieve more effective continuous hole cleaning and well-bore management, while maintaining allowable flow rates through today's sophisticated downhole tools. This innovative tool uses the following features to make it unlike any other circulation tools in the market.

BENEFITS

FEATURES

- Single ball activation / de-activation cycles
- Interchangeable port jetting nozzles are directed up-hole
- Fluted main body has wear reduction coating
- Completely mechanical, easy to use, and consistently reliable
- Integrated float minimizes tool length while maintaining well control
- A customized Hydraulics program is utilized to size tool nozzles for optimal performance

HIGHLIGHTS

- Flow in the tool remains in the optimum range
- Drilling parameters remain optimum at the bit
- Better steerability
- Better hole conditioning (no washout)
- Optimum motor and RSS performance
- Elimination of tool damage due to erosion and vibration during clean up cycle
- Simple and reliable, which saves the operator rig time

SPECIFICATIONS

Tool Size (in.)	5	6 3/4
Maximum OD (in.)	5.875	8.375
Minimum ID (in.)[1]	1.400	1.800
Standard rig ends	NC 38	NC 50
Fishing neck ID (in.)	5.000	6.750
Number of stabilization pads & nozzles	4	3
Nozzle size range (in.)	7/32 – 16/32	7/32 – 16/32
TFA area through tool (in²)	1.67	2.92
TFA through nozzles (min. in²) (when tool is activated)	0.148	0.111
TFA through nozzles (max. in²) (when tool is activated)	0.784	0.589
Weight (lbs) (new tool)	460	1,198
Shoulder to shoulder length (in.) (new tool)	120	150
Make-up torque (ft-lbs)	11,500	34,840

[1] Minimum Tool ID could vary if Activation Ball or Dart is used