## BOOST Hydraulic Delay



## Description

The Boost Hydraulic Delay tool is an annular pressure controlled tool that is designed to provide a reference pressure to the Multi-Cycle Tester Valve. It is run with the M2 Tester Valve to trap a "boost" pressure in the nitrogen section to provide a closing force on the ball valve



- Down hole well control and testing operations when used with the M2
- · Drill stem testing



- Reduces required surface nitrogen pressure in Tester Valve
- · Suitable for all conditions: high hydrostatic pressure, H2S, acid, and heavy drilling fluids
- · Balanced with respect to tubing andannulus
- · Configurable
- Annular pressure operated
- Relieves trapped boost when tripping out for increased safety on surface
- Adjustable boost levels pressure between 300 2,000 psi for shallow or deep wells



## **BOOST Hydraulic Delay**

## specifications

|  | 3031AC                    |
|--|---------------------------|
| O.D. in [mm]                                     | 5.0 [127]                 |
| I.D. in [mm]                                     | 2.25 [57]                 |
| LENGTH in [m]                                    | 60 [1.52]                 |
| WEIGHT Ib [kg]                                   | 273 [124]                 |
| MAX TEMPERATURE(STD) degF[degC]                  | 350 [177]                 |
| PRESSURE ABSOLUTE psi [kPa]                      | 21,000 [144,790]          |
| PRESSURE DIFFERENTIAL (annulus/tubing) psi [kPa] | 15,000 [103,421]          |
| MAX TENSION lbf [kN]                             | 280,000 [1,245]           |
| MAX OPERATING TENSION lbf [kN]                   | 100,000 [444]             |
| CONNECTIONS                                      | API or Premium Available  |
| SERVICE  | Standard and Sour Service |
| API 19TT Quality Grade                           | Available                 |

<sup>\*</sup> These specifications are guidelines only, other specifications are available upon request. Contact Northstar for more information.

