



9 1/2" PBL BALL LOCK BYPASS SYSTEM TECHNICAL SHEET

SERIAL#

A - TOOL O.D.

B - TOOL I.D.

FLOW AREA THROUGH TOOL

- **C BOX CONNECTION**
- **D PIN CONNECTION**
- E ACTIVATION BALL/# TO ACTIVATE DIAMETER

MATERIAL

SHEARING PRESSURE

- F DEACTIVATION BALL/# TO DEACT.
 DIAMETER
 MATERIAL
- G LOCKING BALL/# TO LOCK OPEN DIAMETER MATERIAL SHEARING PRESSURE

H - SIZE OF PORT
NUMBER OF PORTS
TFA WHEN TOOL IS OPEN
NUMBER OF CYCLES
OVERALL LENGTH
WEIGHT
TENSILE STRENGTH
TORSIONAL STRENGTH
MAX. MAKE UP TORQUE

OPTIMUM MAKE UP TORQUE MIN. MAKE UP TORQUE

SHEET
9.50"
1.50"
4.6 Sq.In.
7 5/8 Reg
7 5/8 Reg
1
2 1/2"
Ertalyte
As Desired
2
1 3/4"
Steel
1
1 3/8"
Ertalyte
As Desired
1.35"
2
2.863 Sq.In
5
8 - 10 Ft
1,600 Lbs
6,000,000 Lbs
565,000 Ft/Lbs
81,290 Ft/Lbs
80,413 Ft/Lbs
79,536 Ft/Lbs

NOTES

- * NO THRU DRIFT WHEN BALLS ARE IN TOOL
- * Tool is rated to operate in temp up to 420 degrees F
- * 2.27" ID to allow 2.25" Reamer Ball to pass through before activation
- * Standard ID = 1.50"

