

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

SERIAL #	_____	*
A-TOOL O.D.	_____	9.50"
B-TOOL I.D. (DRIFT)	_____	1.50"
FLOW AREA THROUGH TOOL	_____	4.6 sq/in
C-BOX CONNECTION	_____	7 5/8 Reg
D-PIN CONNECTION	_____	7 5/8 Reg
E-ACTIVATION BALL/# TO ACTIVATE:	_____	1
DIAMETER	_____	2 1/2"
MATERIAL	_____	Ertalyte
SHEARING PRESSURE	_____	As Desired
F-DEACTIVATION BALL/# TO DEACT:	_____	2
DIAMETER	_____	1 3/4"
MATERIAL	_____	Steel
G-LOCKING BALL/# TO LOCK OPEN:	_____	1
DIAMETER	_____	1 3/8"
MATERIAL	_____	Ertalyte
SHEARING PRESSURE	_____	75% of act shear
H-SIZE OF PORT	_____	1.35"
NUMBER OF PORTS	_____	2
TFA WHEN TOOL IS OPEN	_____	2.863 sq/in
NUMBER OF CYCLES	_____	5
OVERALL LENGTH	_____	8 - 9 ft
WEIGHT	_____	1,444 lbs
TENSILE STRENGTH	_____	6,000,00 lbs
TORSIONAL STRENGTH	_____	565,000 ft/lbs
MAKE UP TORQUE	_____	81,290 ft/lbs

NOTES:

NO DRIFT WHEN BALLS ARE IN TOOL.

* Tool is rated to operate in temp. up to 420 degrees Fahrenheit.

* 2.270" Drift Available to allow 2.250" Rhino ball pass.

