



6 1/2" O.D.

**6 1/2" PBL BALL LOCK BYPASS SYSTEM
TECHNICAL SHEET (4 1/2 XH)**

SERIAL #	*
A-TOOL O.D.	6.50"
B-TOOL I.D. (DRIFT)	1.50"
FLOW AREA THROUGH TOOL	2.92 sq/in
C-BOX CONNECTION	4 1/2 XH
D-PIN CONNECTION	4 1/2 XH
E-ACTIVATION BALL/# TO ACTIVATE:	1
DIAMETER	2"
MATERIAL	Ertalyte
SHEARING PRESSURE	As Required
F-DEACTIVATION BALL/# TO DEACT.:	2
DIAMETER	1 3/8"
MATERIAL	Steel
G-LOCKING BALL/# TO LOCK OPEN:	1
DIAMETER	1 1/8"
MATERIAL	Ertalyte
SHEARING PRESSURE	As Required
H-SIZE OF PORT	1.1"
NUMBER OF PORTS	2
TFA WHEN TOOL IS OPEN	1.901 sq/in
NUMBER OF CYCLES	5
OVERALL LENGTH	9 - 11 ft
WEIGHT	800 lbs
TENSILE STRENGTH	2,500,00 lbs
TORSIONAL STRENGTH	166,000 ft/lbs
MAKE UP TORQUE	26,710 ft/lbs

NOTES:

NO DRIFT WHEN BALLS ARE IN TOOL.

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

* 4 1/2 IF Torque = 34,190 ft/lbs

