

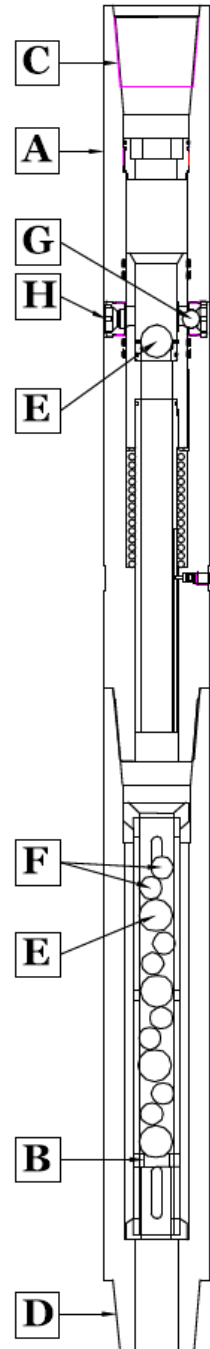


8 1/4" O.D.

**8 1/4" PBL BALL LOCK BYPASS SYSTEM
TECHNICAL SHEET**

SERIAL #
 A - TOOL O.D.
 B - TOOL I.D.
 FLOW AREA THROUGH TOOL (E)
 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
 MAX. FLOW CLOSED
 MAX. / MIN. FLOW OPEN (ACTIVATED)
 NUMBER OF CYCLES
 OVERALL LENGTH
 WEIGHT
 TENSILE STRENGTH MAIN BODY
 TENSILE STRENGTH CONNECTION
 TORSIONAL STRENGTH MAIN BODY
 TORSIONAL STRENGTH CONNECTION
 MAKE UP TORQUE

	8.25"
	2.27"
	4.6 SQ.IN.
	6 5/8 REG
	6 5/8 REG
	1
	2 1/2" / Ertalyte
	2
	1 3/4" / Steel
	1
	1 3/8" / Ertalyte
	1.35"
	2
	2.863 SQ.IN
	1500 GPM
	2000 GPM / 200 GPM
	5
	8 - 10 FT
	1,525 LBS
	3,700,000 LBS
	1,023,203 LBS
	335,000 FT/LBS
	84,894 FT/LBS
	46,450 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"