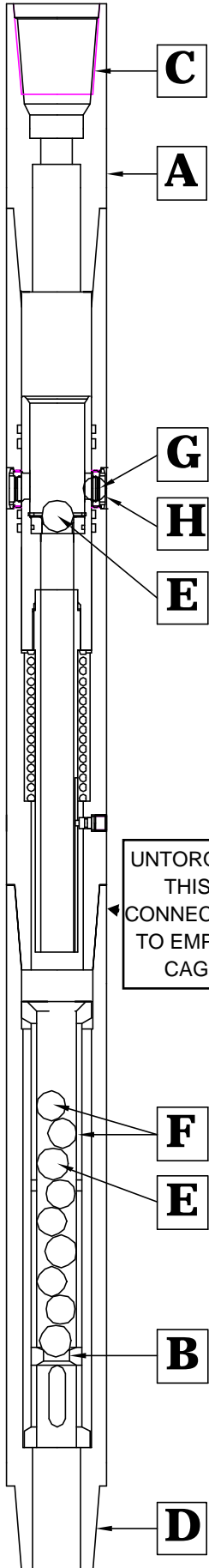


**2 7/8" PBL BYPASS SYSTEM
TECHNICAL SHEET**



SERIAL #	_____	*
A-TOOL O.D.	_____	2.875"
B-TOOL I.D. (DRIFT)	_____	9/16"
FLOW AREA THROUGH TOOL	_____	0.557 sq/in
C-BOX CONNECTION	_____	2 3/8 PAC
D-PIN CONNECTION	_____	2 3/8 PAC
E-ACTIVATION BALL/# TO ACTIVATE:	_____	1
DIAMETER	_____	7/8"
MATERIAL	_____	Torlon
SHEARING PRESSURE	_____	As Desired
F-DEACTIVATION BALL/# TO DEACT.:	_____	2
DIAMETER	_____	13/16"
MATERIAL	_____	Steel
G-LOCKING BALL/# TO LOCK OPEN:	_____	NA
DIAMETER	_____	NA
MATERIAL	_____	NA
SHEARING PRESSURE	_____	NA
H-SIZE OF PORT	_____	0.75"
NUMBER OF PORTS	_____	2
TFA WHEN TOOL IS OPEN	_____	0.88 sq/in
NUMBER OF CYCLES	_____	10
OVERALL LENGTH	_____	5 - 6 ft
WEIGHT	_____	115 lbs
TENSILE STRENGTH	_____	415,000 lbs
TORSIONAL STRENGTH	_____	12,000 ft/lbs
MAKE UP TORQUE	_____	2,200 ft/lbs

UNTORQUE THIS CONNECTION TO EMPTY CAGE

NOTES:

NO DRIFT WHEN BALLS ARE IN TOOL.

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

* Maximum Flow Rate after Activation is 4 BPM

