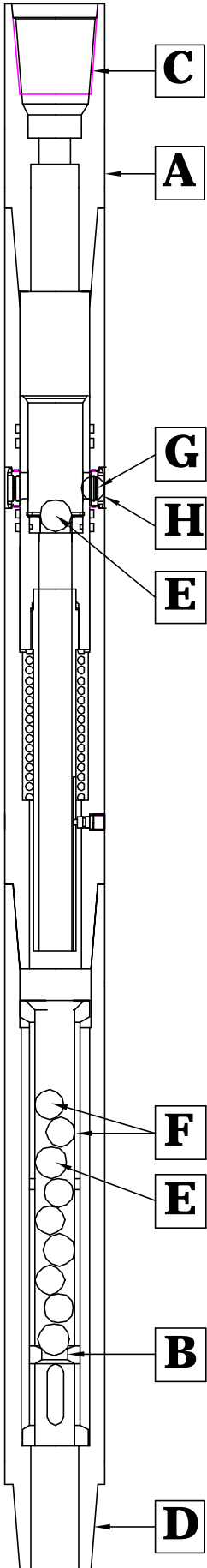


**5 1/4" PBL BALL LOCK BYPASS SYSTEM  
TECHNICAL SHEET**



<b>SERIAL #</b>	_____	*
<b>A-TOOL O.D.</b>	_____	5.25"
<b>B-TOOL I.D. (DRIFT)</b>	_____	1.25"
<b>FLOW AREA THROUGH TOOL</b>	_____	1.67 sq/in
<b>C-BOX CONNECTION</b>	_____	XT-39
<b>D-PIN CONNECTION</b>	_____	XT-39
<b>E-ACTIVATION BALL/# TO ACTIVATE:</b>	_____	<b>1</b>
<b>DIAMETER</b>	_____	1 1/2"
<b>MATERIAL</b>	_____	Torlon
<b>SHEARING PRESSURE</b>	_____	As Required
<b>F-DEACTIVATION BALL/# TO DEACT.:</b>	_____	<b>2</b>
<b>DIAMETER</b>	_____	1 3/8"
<b>MATERIAL</b>	_____	Steel
<b>G-LOCKING BALL/# TO LOCK OPEN:</b>	_____	<b>1</b>
<b>DIAMETER</b>	_____	1 1/8"
<b>MATERIAL</b>	_____	Torlon
<b>SHEARING PRESSURE</b>	_____	As Required
<b>H-SIZE OF PORT</b>	_____	1.1"
<b>NUMBER OF PORTS</b>	_____	2
<b>TFA WHEN TOOL IS OPEN</b>	_____	1.901 sq/in
<b>NUMBER OF CYCLES</b>	_____	4
<b>OVERALL LENGTH</b>	_____	7 - 9 ft
<b>WEIGHT</b>	_____	350 lbs
<b>TENSILE STRENGTH</b>	_____	667,600 lbs
<b>TORSIONAL STRENGTH</b>	_____	37,300 ft/lbs
<b>MAKE UP TORQUE</b>	_____	22,400 ft/lbs

**NOTES:**

**NO DRIFT WHEN BALLS ARE IN TOOL.**

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

**\*Internal Connections are XT-43. Make-up torque is 19,200 ft-lbs**

