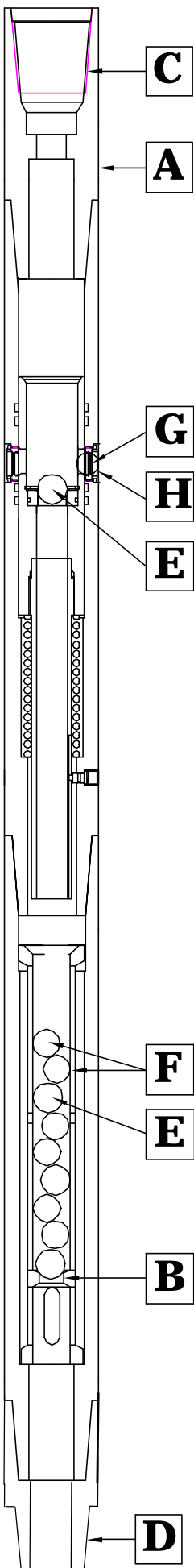




3 1/2" O.D.

**3 1/2" PH6 PBL BALL LOCK BYPASS SYSTEM
TECHNICAL SHEET**



SERIAL #	_____	*
A-TOOL O.D.	_____	3.50"
B-TOOL I.D. (DRIFT)	_____	1.00"
FLOW AREA THROUGH TOOL	_____	1.07 sq/in
C-BOX CONNECTION	_____	2 7/8 PH-6
D-PIN CONNECTION	_____	2 7/8 PH-6
E-ACTIVATION BALL/# TO ACTIVATE:	_____	1
DIAMETER	_____	1 1/4"
MATERIAL	_____	Torlon
SHEARING PRESSURE	_____	As Desired
F-DEACTIVATION BALL/# TO DEACT.:	_____	2
DIAMETER	_____	1 1/16"
MATERIAL	_____	Steel
G-LOCKING BALL/# TO LOCK OPEN:	_____	1
DIAMETER	_____	0.700"
MATERIAL	_____	Torlon
SHEARING PRESSURE	_____	75% of act shear
H-SIZE OF PORT	_____	0.68"
NUMBER OF PORTS	_____	2
TFA WHEN TOOL IS OPEN	_____	0.72 sq/in
NUMBER OF CYCLES	_____	3
OVERALL LENGTH	_____	6 - 7 ft
WEIGHT	_____	150 lbs
TENSILE STRENGTH VAM FJ	_____	298,000 lbs
TORSIONAL STRENGTH VAM FJ	_____	18,500 ft/lbs
MAKE UP TORQUE PH6	_____	3,500-4,400 ft/lbs

NOTES:

NO DRIFT WHEN BALLS ARE IN TOOL.

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

*** Internal Connections (VAM FJ)
Make-Up Torque = 2,400 ft/lbs**

