

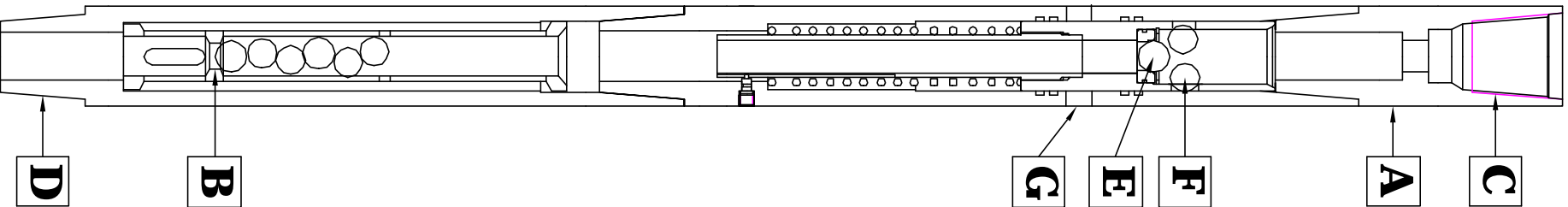
4 3/4 O.D.



DRILLING SYSTEMS INTERNATIONAL



4 3/4" PBL DUAL PORT BYPASS SYSTEM TECHNICAL SHEET



SERIAL #	_____	*
A-TOOL O.D.	_____	4.75"
B-TOOL I.D. (DRIFT)	_____	1.25"
FLOW AREA THROUGH TOOL	_____	1.67 sq./in.
C-BOX CONNECTION	_____	3 1/2 IF
D-PIN CONNECTION	_____	3 1/2 IF
E-ACTIVATION BALL:		
DIAMETER	_____	1 1/2"
MATERIAL	_____	Torlon
NUMBER OF BALLS TO ACTIVATE	_____	1
BALL SHEARING PRESSURE	_____	As Desired
F-DEACTIVATION BALL:		
DIAMETER	_____	1 3/8"
MATERIAL	_____	Chrome Steel
NUMBER OF BALLS TO DEACTIVATE	_____	2
G-SIZE OF PORT	_____	1.25"
NUMBER OF PORTS	_____	2
TFA WHEN TOOL IS OPEN	_____	2.454 sq./in.
NUMBER OF CYCLES	_____	4
OVERALL LENGTH	_____	7 -9 ft
WEIGHT	_____	247 lbs
TENSILE STRENGTH	_____	1,000,000 lbs
TORSIONAL STRENGTH	_____	49,000 R/lbs
MAKE UP TORQUE	_____	11,500 ft/lbs

NOTES:

*There is no drift when balls are in tool.

*Tool is rated to operate in Temp. up to 420 Degrees Fahrenheit.

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