



13 3/8" WirTool[®], Circulating Tool w/closing sleeve Model WT 103

For cleaning out 13 5/8 to 18 3/4" BOP, with NC 50 box x pin connection

Dimensional data	
Max OD, inch	13,375
ID with closing sleeve open, inch	3,00
ID with closing sleeve closed, inch	1,41
Fish neck OD, inch	6,38
Length, mm	1300
Jet size diameter, mm	20
Number of jets	8
Activation ball OD, inches	1 1/2
Material properties	
Body material	AISI 4140
Tensile Yield strength, lbs	1 298 000
Torsional Yield strength, ft-lbs	46 000
Operational data	
Total jet flow area, sq.in	3,9
Total flow area through stem with sleeve installed, no ball sq.in	3,16
Max flow area through vertical stem of tool with ball landed and sleeve open, sq.in (main flow diverted out through jets in tool)	0,62
Connection	NC 50
Max pump rate, lpm	5500
Recommended washing rotation, rpm	5
Recommended RIH speed washing, m/min	No limit
Recommended POOH speed washing, m/min	2
Transport Data	
Weight, kg	280
Shear pinning of sleeve (variance of +/- 10% of listed values can be expected)	
No. Of 1/4" yellow brass shear pins	2 3 4 5 6 7
Required pressure to shear (psi)	608 911 1215 1519 1823 2127



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