Specifications

iDNSC 475
Imaging, density, neutron, standoff, caliper service

Tool Specifications
Nominal OD, in [mm] 4¼ [120.7]
Max. OD, in [mm] 5¼ [146.1]
ID, in [mm] 3.55 [90.2], 3.00 [76.2], 2.50 [63.5]
Length, ft [m] 29.9 [9.12]
Weight, lbm [kg] 1,050 [476]
Equivalent stiffness, in [mm] 4.92 [125.0] OD, 2.25 [57.2] ID
Average moment of inertia, in⁴ [cm⁴] 21.56 [897.4]

Tool Joint Specifications
API 4 FH (NC 40)
Makeup torque, ft.lbf [N.m] 10,500 [14,236]
Bending strength ratio 2.56
API 3½ IF (NC 38)
Makeup torque, ft.lbf [N.m] 10,000 [13,558]
Bending strength ratio 2.36

Operating Specifications
Max. dogleg rotating, °/100 ft 15
Max. dogleg sliding, °/100 ft 30
Max. compression, lbm [kg] 20,000 [9,070]
Max. tension, lbf [N] 263,000 [1,169,882]
Max. torque, ft.lbf [N.m] 9,500 [12,880]
Max. rpm 250
Max. temperature, degF [degC] 302 [150], 350 [175] *

Transportation Basket
Length, ft [m] 30.5 [9.3]
Width, ft [m] 2.8 [0.9]
Height, ft [m] 2.5 [0.8]
Weight, lbm [kg] 1,400 [635]

Gross Weight
Tool and basket, lbm [kg] 4,650 [2,109]

Note: All dimensions are nominal. Configuration options are available. Tool drawing is not to scale.

* Standard tool configuration 32 to 302 degF [0 to 150 degC], optional SURVIVOR HPHT rating 32 to 350 degF [0 to 175 degC].