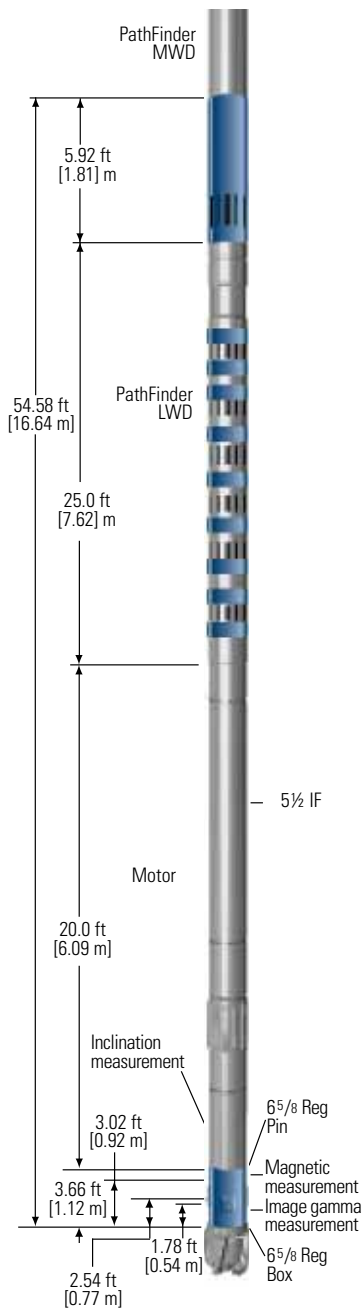


iPZIG 800

At-Bit Inclination and Image Gamma Ray Service

Mechanical Specifications



Tool Specifications

Nominal OD, in [mm]	8 [171.5]	Max. OD, in [mm]	8.25 [209.6]
Internal diameters, in [mm]		Internal diameters, in [mm]	
UXM	5.10 [129.5], 4.00 [101.6], 3.50 [88.9]	LXM	5.30 [134.6], 2.00 [27.9]
Length, ft [m]		Length, ft [m]	
UXM	5.92 [1.81]	LXM	3.66 [1.12]
Tool joints, box/pin		Tool joints, pin/box	
UXM	5½ IF	LXM	6⅝ Reg
Weight, lbm [kg]		Weight, lbm [kg]	
UXM	756 [344]	LXM	510 [232]
UXM equivalent stiffness, in [mm]	7.34 [186.4] OD/2.81 [71.4] ID	UXM avg. moment of inertia, in ⁴ [cm ⁴]	122.0 [5,099.6]
LXM equivalent stiffness, in [mm]	6.99 [176.8] OD/2.81 [71.4]	LXM avg. moment of inertia, in ⁴ [cm ⁴]	112 [4,598.9]

Sensor Measurement Points

Image gamma measurement, ft [m]	1.78 [0.54]
Magnetic measurement, ft [m]	2.54 [0.77]
Inclination measurement, ft [m]	3.02 [0.92]

Tool Joint Specifications

API 5½ IF, field (UXM)	
Makeup torque, lbf.ft [N.m]	38,000 [51,520]
Bending-strength ratio	2.35
API 6⅝ Reg, (LXM)	
Makeup torque, lbf.ft [N.m]	38,000 [51,520]
Bending-strength ratio	4.38

Operating Specifications

Max. dogleg, rotating, °/100 ft	10	Max. dogleg, sliding, °/100 ft	16
Max. tension, lb [kg]	450,000 [204,117]	Maximum torque, lbf.ft [N.m]	35,000 [47,453]
Max. temp., degF [degC]	302 [150], 350 [175] ^{††}	Flow rates, galUS/min [m ³ /min]	250 to 750 [0.946 to 2.839]

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 Series rating 32 to 350 degF [0 to 175 degC].