



9 1/2" X-series AST

Bottomhole assembly: The AST tool is generally placed in the BHA above the non-magnetic part of the BHA. Contact your Tomax representative for advice on AST placement in the BHA.

Drilling: The X-Series AST is designed with a working range covering all conventional operations, including combination with Under-Reamer. No particular steps are required when drilling with the AST. A User Manual is provided with every deployment.

TOOL SPECIFICATIONS:

PARAMETER	METRIC	IMPERIAL
<i>Length</i>	5.00 m	16.40 ft
<i>Stroke</i>	0.15 m	6"
<i>Max. OD</i>	241 mm	9.5"
<i>Min. ID</i>	72 mm	2.83"
<i>Mass</i>	1220 kg	2690 lbs
<i>Max. RPM</i>	<i>As recommended from bit manufacturer</i>	<i>As recommended from bit manufacturer</i>
<i>Ultimate tensile load</i>	536 kdaN	1180 klbs
<i>Max. diff. pressure</i>	690 bar	10 000 psi
<i>Max. hydrostatic pressure</i>	2000 bar (balanced)	30 000 psi (balanced)
<i>Max. sand content</i>	1 %	1 %
<i>Max. DLS</i>	14 deg/30 m	14 deg/100ft
<i>Max. temp. operational</i>	150 °C (XT 200 °C)	300 °F (XT 390 °F)
<i>Connection top</i>	API 7 5/8 REG box	API 7 5/8 REG box
<i>Make up torque</i>	100 000 Nm	74 000 ftlbs
<i>Connection bottom</i>	API 7 5/8 REG pin	API 7 5/8 REG pin
<i>Make up torque</i>	100 000 Nm	74 000 ftlbs

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Configurations: XT = High temp. (220 °C).