



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

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* Special options for Medium Radius systems
Configurations: XT = High temp. (220 °C)