



5 1/4" 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>	5.64 m	18.49 ft
<i>Stroke</i>	0.25 m	10"
<i>Max. OD</i>	133 mm	5.25"
<i>Min. ID</i>	35 mm	1.38"
<i>Mass</i>	485 kg	1067 lbs
<i>Max. RPM</i>	<i>As recommended from bit manufacturer</i>	<i>As recommended from bit manufacturer</i>
<i>Ultimate tensile load</i>	225 kdaN	500 klbs
<i>Max. diff. pressure</i>	690 bar	10 000 psi
<i>Max. hydrostatic pressure</i>	2000 bar	30 000 psi
<i>Max. sand content</i>	1 %	1 %
<i>Max. DLS - rotary drilling*</i>	10 deg/30 m	10 deg/100 ft
<i>Max. temp. operational</i>	200 °C (XT 220 °C)	390 °F (XT 425 °F)
<i>Connection top</i>	XTF 39 box	XTF 39 box
<i>Make up torque</i>	29 200 Nm	21 500 ftlbs
<i>Connection bottom</i>	XTF 39 pin	XTF 39 pin
<i>Make up torque</i>	29 200 Nm	21 500 ftlbs

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** Special options for Medium Radius systems
Configurations: XT = High temp. (220 °C)
Also available with NC 38 and HT 38 connections*