



8 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>	<i>5.44 m</i>	<i>17.85 ft</i>
<i>Stroke</i>	<i>0.25 m</i>	<i>10"</i>
<i>Max. OD</i>	<i>209.6 mm</i>	<i>8.25"</i>
<i>Min. ID</i>	<i>70 mm</i>	<i>2.75"</i>
<i>Mass</i>	<i>1015 kg</i>	<i>2230 lbs</i>
<i>Max. RPM</i>	<i>As recommended from bit manufacturer</i>	<i>As recommended from bit manufacturer</i>
<i>Ultimate tensile load</i>	<i>512 kdaN</i>	<i>1151 klbs</i>
<i>Max. internal pressure</i>	<i>690 bar</i>	<i>10 000 psi</i>
<i>Max. hydrostatic pressure</i>	<i>2000 bar</i>	<i>30 000 psi</i>
<i>Max. sand content</i>	<i>1 %</i>	<i>1 %</i>
<i>Max. DLS - rotary drilling*</i>	<i>6 deg/30 m</i>	<i>6 deg/100 ft</i>
<i>Max. temp. operational</i>	<i>200 °C</i>	<i>390 °F</i>
<i>Connection top</i>	<i>API 6 5/8 REG box</i>	<i>API 6 5/8 REG box</i>
<i>Make up torque</i>	<i>65 000 Nm</i>	<i>48 000 ftlbs</i>
<i>Connection bottom</i>	<i>API 6 5/8 REG pin</i>	<i>API 6 5/8 REG pin</i>
<i>Make up torque</i>	<i>65 000 Nm</i>	<i>48 000 ftlbs</i>

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* Special options for Medium Radius systems