

# 4 3/4"

## 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
Length	5.49 m	18.01 ft
Stroke	0.25 m	10"
Max. OD	121 mm	4.75"
Min. ID	35 mm	1.38"
Mass	363 kg	800 lbs
Max. RPM	As recommended from bit manufacturer	As recommended from bit manufacturer
Ultimate tensile load	180 kdaN	400 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*	10 deg/30 m	10 deg/100 ft
Max. DLS - sliding	25 deg/30 m	25 deg/100 ft
Max. temp. operational	200 °C (XT 220 °C)	390 °F (XT 425 °F)
Connection top	NC 38 box	NC 38 box
Make up torque	13 300 Nm	9 800 ftlbs
Connection bottom	NC 38 pin	NC 38 pin
Make up torque	13 300 Nm	9 800 ftlbs

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

