



Drillguide GST Plus



6" – 152 mm GST Plus Tool specifications

Tool OD	6" – 152 mm
Tool length (shoulder/shoulder)	8.9' – 270 cm
Thread connection pin/box	4 ½" REG
Maximum allowed make-up torque	13 500 ftlb – 18 kNm
Sensor(s) accuracy	Azimuth 0.04° / Pitch 0.01° / Toolface 0.02°
Shoulder to sensor distance	43.3" – 110 cm
Net weight	485 lb – 220 kg
Hole/drill bit size	7"–7 ½" – 178–190 mm
Minimum bending radius	330' – 100 m
Maximum flow rate	400 gal/min – 1500 L/min
Annular pressure sensor position (distance from pin shoulder)	8.1' – 247 cm
Annular pressure sensor range	0–870 psi – 0–6000 kPa – 0–60 bar
Maximum allowed inner mud pressure	1015 psi – 7000 kPa – 70 bar
Inner mud pressure sensor range	0–2175 psi – 0–15 000 kPa – 0–150 bar
Maximum allowed torque during operations	12 000 ftlb – 16 kNm
Maximum allowed push/pull (on tool housing)	44 000 lb – 20 t
Maximum allowed temperature (on tool)	158 °F – 70 °C
Maximum allowed vibration (on tool)	20 g up to 200 Hz
Electric power (input on surface)	230V-50Hz / 110V-60Hz
Electric power (output to downhole tool)	56 V DC
Recommended downhole wireline	8 AWG – 6 mm ²

Combining Drillguide GST and GPS track in 1 tool