



Drillguide GST Plus



6 5/8" – 170 mm GST Plus Tool specifications

Tool OD	6 5/8" – 170 mm
Tool length (shoulder/shoulder)	10.7' – 325 cm
Thread connection pin/box	4 1/2" IF
Maximum allowed make-up torque	4 1/2" IF 24 000 ftlb – 32 kNm GST collar 29 500 ftlb – 40 kNm
Sensor(s) accuracy	Azimuth 0.04° / Pitch 0.01° / Toolface 0.02°
Shoulder to sensor distance	43.3" – 110 cm
Net weight	800 lb – 360 kg
Hole/drill bit size	7 7/8"–10 5/8" – 200–250 mm
Minimum bending radius	490' – 150 m
Maximum flow rate	450 gal/min – 1700 L/min
Annular pressure sensor position (distance from pin shoulder)	9.9' – 302 cm
Annular pressure sensor range	0–870 psi – 0–6000 kPa – 0–60 bar
Maximum allowed inner mud pressure	2175 psi – 15 000 kPa – 150 bar
Inner mud pressure sensor range	0–2175 psi – 0–15 000 kPa – 0–150 bar
Maximum allowed torque during operations	22 000 ftlb – 30 kNm
Maximum allowed push/pull (on tool housing)	75 000 lb – 35 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	10 or 8 AWG – 6 or 10 mm ²

Combining Drillguide GST and GPS track in 1 tool