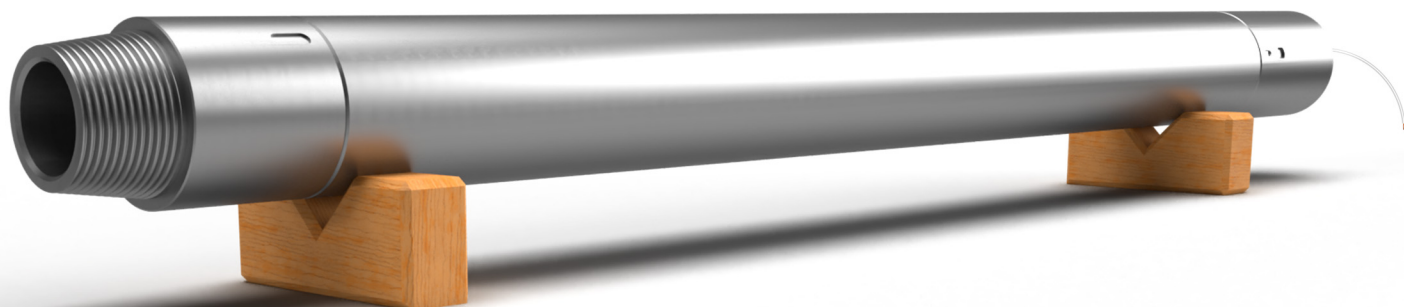




Drillguide GST



8 1/2" – 215 mm Gyro Steering Tool specifications

Tool OD	8 1/2" – 215 mm
Tool length (shoulder/shoulder)	8.7' – 265 cm
Thread connection pin/box	6 5/8" FH
Maximum allowed make-up torque	6 5/8" FH 57 000 ftlb – 77 kNm GST collar 42 000 ftlb – 57 kNm
Sensor(s) accuracy	Azimuth 0.04° / Pitch 0.01° / Toolface 0.02°
Shoulder to sensor distance	27.6" – 70 cm
Net weight	1160 lb – 525 kg
Hole/drill bit size	10 5/8"–12 1/4" – 270–310 mm
Minimum bending radius	590' – 180 m
Maximum flow rate	780 gal/min – 3000 L/min
Annular pressure sensor position (distance from pin shoulder)	8.1' – 248 cm
Annular pressure sensor range	0–870 psi – 0–6000 kPa – 0–60 bar
Maximum allowed inner mud pressure	1150 psi – 8000 kPa – 80 bar
Inner mud pressure sensor range	0–2175 psi – 0–15 000 kPa – 0–150 bar
Maximum allowed torque during operations	37 000 ftlb – 50 kNm
Maximum allowed push/pull (on tool housing)	110 000 lb – 50 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