

TOP DRIVES

Bentec TOP DRIVES are specially designed for rough conditions and less rig down time. Suitable for onshore or offshore rigs.

AVAILABLE CAPACITIES:

275 ton
350 ton
500 ton
750 ton



UNIQUE FEATURES

- 25% more torque capacity than competitors
- 2 times more link tilt capacity than competitors
- Climate range: -45°C to +55°C
- Suitable for arctic & desert environment
- Suitable for onshore or offshore rigs
- Lowest possible noise emission
- HSE improvements / risk assessment
- Native pipehandling monitoring
- CE & ATEX conformity
- Optional with remote monitoring service

TECHNICAL DATA

TOP DRIVES

Bentec combined all of its experience from 20 years of commissioning, maintaining and repairing other top drives to develop a more reliable, robust and service-friendly product for safe drilling operations. The Bentec TOP DRIVES are exactly tuned to the needs of our customers: 25% more torque drive than others. Robustly and reliably built, even down to -45°C, reducing downtime and maintenance costs significantly.

The Bentec TOP DRIVES are AC-powered and developed for use as a portable or permanently installed unit on land and offshore applications. It also comes with a number of innovative features to significantly improve drilling results.

The Bentec TOP DRIVE system is driven by a variable frequency drive (VFD) control system for a wide range of torque and speed performance. The main components include an integrated swivel, a special high safety link tilt system, remote and manual IBOP valves, a back-up clamp for making and breaking connections, a guide beam for drill

torque reaction, and an electrical service loop. A compact, integrated hydraulic power unit mounted on the top drive eliminates the need for hydraulic service loops. The compact dimensions of Bentec TOP DRIVES ensure easy installation into existing or new rigs.

All Bentec TOP DRIVES can be delivered optionally with a VFD container and can be equipped with a Bentec Soft Torque System.

The Bentec TOP DRIVE system complies with the strictest standards for the drilling industry. The Bentec TOP DRIVE design conforms to the newest European CE design standards and international API standards to help our customers maintain a very high safety level. Bentec TD-750-HT is also available upon request.

TECHNICAL DATA Bentec TD-275-HT

API hoisting capacity:	275 ton / 250 t
Pressure rating:	7 500 PSI / 500 bar
AC motor, VFD controlled:	672 hp / 500 kW
Speed range:	0 to 100 / 200 rpm
Continuous torque:	35 200 ft-lbs / 47 750 Nm
Make up / break out torque:	51 500 ft-lbs / 70 000 Nm
Static lock brake:	51 500 ft-lbs / 70 000 Nm
Link tilt capacity:	3 300 lbs @ 4.6 ft / 1.5 t @ 1.4 m
Ambient temperature:	-49°F to +131°F / -45°C to +55°C

TECHNICAL DATA Bentec TD-350-HT

API hoisting capacity:	350 ton / 317 t
Pressure rating:	7 500 PSI / 500 bar
AC Motor, VFD controlled:	1 030 hp / 758 kW
Speed range:	0 to 115 / 230 rpm
Continuous torque:	46 500 ft-lbs / 63 000 Nm
Make up / break out torque:	73 760 ft-lbs / 100 000 Nm
Static lock brake:	77 440 ft-lbs / 105 000 Nm
Link tilt capacity:	5 511 lbs @ 4.6 ft / 2.5 t @ 1.4 m
Ambient temperature:	-49°F to +131°F / -45°C to +55°C

TECHNICAL DATA Bentec TD-500-HT

API hoisting capacity:	500 ton / 453 t
Pressure rating:	7 500 PSI / 500 bar
AC motor, VFD controlled:	1 030 hp / 758 kW
Speed range:	0 to 115 / 230 rpm
Continuous torque:	46 500 ft-lbs / 63 000 Nm
Make up / break out torque:	73 760 ft-lbs / 100 000 Nm
Static lock brake:	77 440 ft-lbs / 105 000 Nm
Link tilt capacity:	5 511 lbs @ 4.6 ft / 2.5 t @ 1.4 m
Ambient temperature:	-49°F to +131°F / -45°C to +55°C