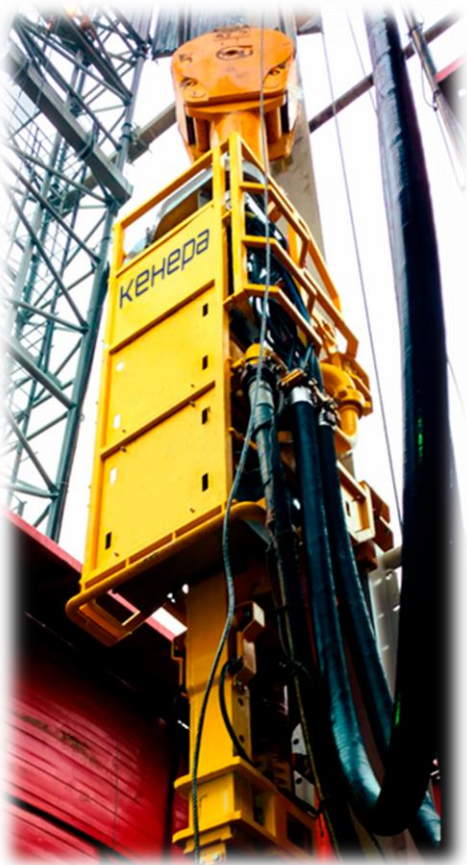


TOP DRIVE SYSTEM

Kenera top drive system is specially designed for difficult operating conditions and to reduce the non-productive time of drilling rigs.

Kenera TDSs are suitable for both onshore and offshore drilling rigs.

FOR DRILLING OF PRODUCTION OIL, GAS AND GAS CONDENSATE WELLS



TD-250-C

FEATURES OF KENERA TDS:

- The system operates on AC power and is designed for use as a portable or permanently installed unit on mobile drilling rigs such as "ZJ40" or similar.
- It is possible to equip with additional functions that can significantly improve drilling results:
 - ✓ Kenera "Drill String Oscillator"
 - ✓ Kenera "Torque damper"
- Equipped with the latest control system with a Russian-made variable frequency drive (VFD).
- Wide range of torque and speed characteristics.
- The control system is supplied in a container version, which does not require special permission for transportation.
- The cable loop is produced in-house in Russia.
- Compact hydraulic power unit integrated into the SVP drilling unit eliminates the need for a hydraulic line.
- The dimensions of the system ensure ease and safety of its installation on existing and new drilling rigs

SPECIFICATIONS

Loading capacity	227 metric tons	250 short tons
Main drive	AC motor	AC motor
Power	500 кВт	672 л.с.
Weight	10.87 metric t	23,964 lb
Gearbox	Helical; 15:1	Helical; 15:1
Continuous drilling torque	47,750 Nm	35,200 ft-lb
Speed at continuous torque when drilling	100 rpm	100 rpm
Maximum speed	200 rpm	200 rpm
Maximum make-up/break-out torque	60,000 Nm	44,254 ft-lb
Static braking torque	70,000 Nm	51,500 ft-lb
Main shaft inner diameter	76.2 mm	3"
Operating pressure	517 bar	7,500 PSI
Minimum outer diameter of tool joints	63.5 mm	2-1/2"
Maximum outer diameter of tool joints	191 mm	7-1/2"
Connection type of IBOP	NC 50	NC 50
Cooling system	Air	Air
Hydraulic station	Integrated into the drilling unit	Integrated into the drilling unit
Elevator links compatibility	150, 250, 350 t	150, 250, 350 t
Temperature Range. Minimum.	-45°C	-49°F
Temperature Range. Maximum.	+55°C	+131°F
Dimensions (W x L)	1.4 м x 1.6 м	55" x 63"

