



COMPACT PILING RIGS

The DTC series was designed in 2006 in order to satisfy the growing market of compact piling rigs which stand out in maneuverability, ease of transport, low maintenance and running costs.

The DTC design choices ensure an overall lighter structure (at equivalent robustness) than usual machines, which permit the assembly on medium-small size base excavators. Its compact size guarantees a superior agility in the jobsites, which results in high productivity comparable with much larger piling rigs.

The innovative architecture consists of a steel boom which support a monolithic mast capable of independent vertical translation. The new concept of a boxed steel mast, which interally contains the telescopic Kelly bar, allowing for a higher rigidity, better stability (the Kelly bar is closer to the crawler base compared to an external Kelly configuration), and a reduction of noise during

the tool discharge.
Other unique features include the possibility of a wide range of mast positions, with longer reach compared to a traditional machine, along with better visibility of the working area. The winches, mounted directly on the mast, make the rope movements independent from the mast positioning, improving the easiness of operation and cables' durability.

Electronic devices

DTC series machines are equipped with an electronic system which controls and displays several unctions and parameters.

- Automatic alignment of the mast
- Mast inclination display
- Depth measuring device

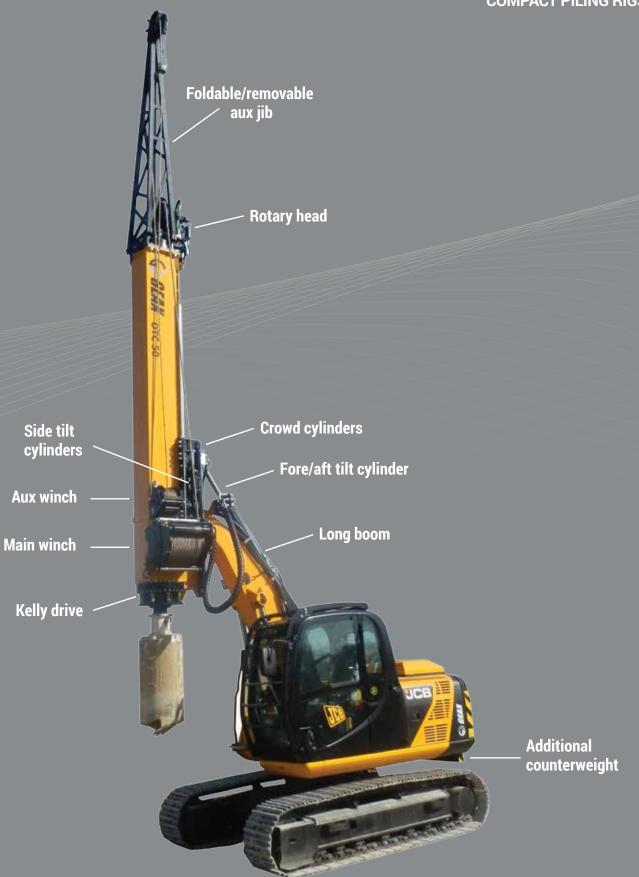
A GPS system enables GEAX owners to monitor and manage their machines remotely by a PC connected to the Internet



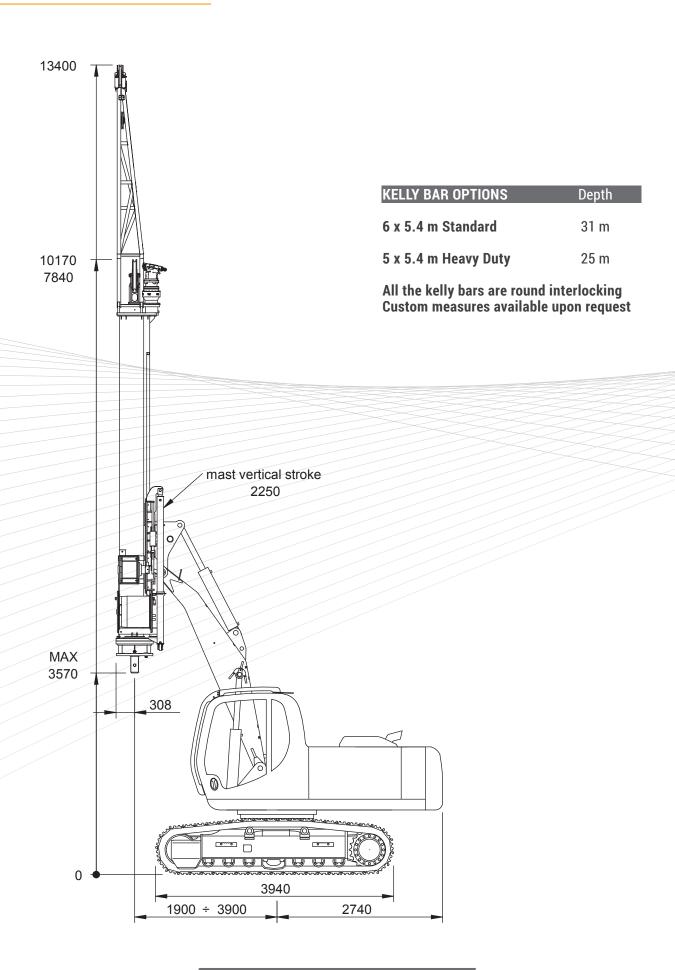




COMPACT PILING RIGS









Engine type ISUZU AM-4JJIX / JCB ECOmax 444 Engine power kW (hp) 90.2 (121) / 93 (125) Undercarriage lenght mm - ft 3920 - 12.86 / 3940 - 12.93 Width over tracks mm - ft 2490 - 8.2 Shoe width mm - in 500 - 19.7 HYDRAULIC SYSTEM Main pumps l/min 2x33.6 / 2x20.5 Hydraulic pressure bar 320 MAST Forward inclination deg 20 Backward inclination deg 5 Mast vertical stroke mm - ft 2250 - 7.4 ROTARY Nominal torque kNm - lbf ft 82 - 60.500 Drilling speed rpm 10 ÷ 40 Spin off speed rpm 90 WINCHES Main winch line pull kN - lbf 37 - 8.320 CROWD SYSTEM Pull down force kN - lbf 120 - 26.980 Aux winch line pull kN - lbf 180 - 40.450 EXCAVATION Max pile diameter mm - in 1.500 - 60 Max pile dameter mm - in 1.500 - 60 Max pile depth m - ft 31 - 101.70 Min working height mm - ft 7.840 - 25.7 TRANSPORT Lenght mm - ft 3.100 - 10.2 Weight kg - lbs 24.000 - 52.900	BASE		HITACHI ZX160 / JCB JS160
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