

New to the Hire Fleet this Autumn - the Hilti TE80 drill/breaker

A new generation of machines from Hilti offers the customer:

1. Faster rate of drilling
2. Faster rate of breaking
3. Increased operational speed
4. Less vibration
5. Less noise
6. Drills 20mm x 100mm hole in 13secs



Hilti claim that the overall improvement results in a reduction of 40% in the time taken to drill a 20mm diameter hole to a depth of 100mm in hard concrete when compared to the previous model. (down from 21 seconds to 13 secs).

Reducing the vibration level increases the amount of work that the operator can do before reaching the permitted exposure limit value (ELV). The reduction in vibration emissions claimed for the TE 80 is so substantial as to raise eyebrows. It enables a huge increase in the total number of holes that can be drilled before reaching the ELV. Hilti's research shows that, whereas the TE 76 can drill 148 x 20mm-diameter holes before the ELV is reached, the TE 80 can drill an astonishing 716, an increase of almost 400%.

At 8.8m/s², the TE 80 sets a new standard in vibration emissions for a 10kg rotary demolition hammer. Some of this improvement is due to a floating rear handle (Hilti calls it a decoupled rear grip).

The machine also boasts a newly designed AVR (Active Vibration Reduction) system that is contained in a sealed and lubricated housing, and which is said to last the lifetime of the machine. This utilises an internal counter mass which, together with other features such as large padded handles, reduces vibration.

Active Torque Control

An even more significant feature is Hilti's safety clutch system; they call it ATC (Active Torque Control). Safety clutches are, of course, a standard requirement on rotary drilling hammers, but are generally regarded as a last line of defence, and even experienced operators can be injured after a machine has snatched when the drill bit has become jammed. However, on the TE 80, the ATC system is a standard feature, and totally isolates the operator from any potential harm,.

We are now a Hilti Rental Partner, offering you the very best in drilling and breaking equipment.