

# Hitch locking system

**Today there are around 20 major excavator manufacturers, all of whom have well-functioning systems for operating quick couplers. However, the operation and location of the quick coupler lock buttons differ according to manufacturer and model.**

Consequently, in situations where the excavator operator uses different machine types, there is a clear risk of incorrect operation. It's comparable to having different positions for brake and accelerator pedals depending on the make of a car.

Here at engcon, we're taking yet another step forward in our safety efforts. Our goal is to standardize and ensure safe operation of all quick couplers, for all excavators.

It's why we are introducing the Quick coupler Standard Control (QSC) lock system, a system that minimizes the risk of activating the wrong button or function. QSC is a system that minimizes the risk of activating the wrong button or function. QSC is compatible with most makes of excavators, tiltrotators and quick couplers on the market. The system consists of a control panel with a switch to activate the excavator's quick coupler and another to activate the tiltrotator's quick coupler. All functions are brought together in a panel that is always located in the same position in the operator's cab, where it is easily recognizable regardless of the excavator's make or model.

QSC is part of our safety concept, the "Non Accident Generation", where we are creating a quick coupler operating standard. An operator switching from one excavator to another must be able to easily recognize the controls and thus minimize the risk of dangerous mistakes.

The quick coupler lock system can also control most quick coupler versions on the market, and fits and improves the function of fully hydraulic and automatic quick couplers. When using QSC, the quick coupler – regardless of make or model – gains an additional unique safety function in that it requires ground pressure on the bucket to release it. This means the bucket cannot be released in mid air, reducing the risk of accidents caused by falling buckets.



Together with the Q-Safe quick coupler, the QSC further increases safety by means of an audio visual alert system. Unless both bucket axles are correctly engaged, the system uses sound and light alerts while also activating the slew lock and boom lock functions.

The QSC and Q-Safe quick coupler combination means engcon delivers one of the world's safest quick coupler operating systems. This means the operator always knows what is happening and when it happens.

## Standard for quick coupler locks under the tiltrotator!

The QSC locking system is a the cost-free standard on engcon tiltrotators from October 1st, 2020.

Read more on our website:  
[engcon.com](http://engcon.com)

### CHANGE THE WORLD OF DIGGING