



# Accurate. Reliable. Safe.

## STAHLWILLE calibration

**Calibration** – Calibration is the regular examination of the accuracy and reliability of torque tools. This is done using special-purpose calibrating equipment which is subject to stringent monitoring. This is essential because torque tools are precision instruments which are very often in use in safety-relevant environments. They are expected to provide the same level of accuracy in their readings reliably over long periods of time. In order to ensure these standards are guaranteed, it is essential that examination by means of calibration takes place at regular intervals and is documented.

**At the very least, a calibration system must include the following components:**



1

**Mechanical loader** – The mechanical loader is required for rapid, accurate fixing and operation of the torque wrench. The mechanical loader also ensures that the DIN EN ISO 6789 requirement for clicking torque wrenches is fulfilled, i.e. that, above 80% of the final torque value, the force can be applied slowly and steadily within the required time.



2

**Transducer** – The torque applied using the torque wrench is digitalised within the transducer and transmitted via USB cable to the PC, which ensures error-free transmission.



3

**USB-Adaptor** – From here, the data are transferred to the PC.



4

**Cable** – for connecting laboratory transducers No 7728 to USB adaptor, with jack plug and self-locking precision plug.



5

**Square drive adaptor** – The set includes the square drive adapters necessary to make full use of the measuring range of the transducers; e.g. for transducer No 7723-3 (internal square drive 3/4"), square drive adapter No 7787 (1/4" female to 3/4" male), No 7788 (3/8" female to 3/4" male) and No 7789 (1/2" female to 3/4" male).



6

**Software** – The data received in this way can then be used to issue a calibration certificate in accordance with DIN/ISO 6789.