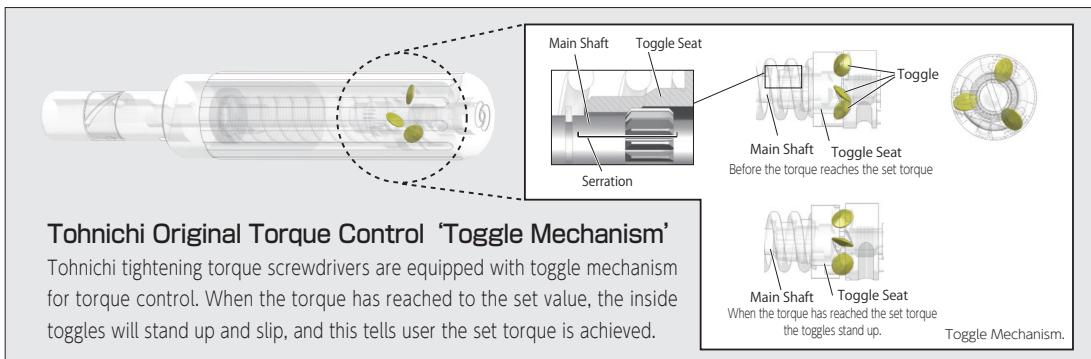


Features of TOHNICHI Torque Driver

① High Accuracy

Exceeding the ISO6789 standard, digital type Torque screwdrivers STC2-G maintain the accuracy $\pm 1\%$ and Indicating Torque screwdrivers and Tightening torque screwdrivers hold $\pm 3\%$. (Refer to technical date P.94) Tightening torque screwdrivers such as RTD, LTD are equipped with our original torque control (toggle mechanism), which enhances high accuracy and high durability.



Tohnichi Original Torque Control 'Toggle Mechanism'

Tohnichi tightening torque screwdrivers are equipped with toggle mechanism for torque control. When the torque has reached to the set value, the inside toggles will stand up and slip, and this tells user the set torque is achieved.

② High Durability

We guarantee accuracy and durability in the earlier of 100,000 cycles or one year at maximum torque. Also, Tohnichi click type torque screwdriver such as RTD series is able to use up to around a million cycles if the tool is periodically calibrated and taken the necessary repairing every a hundred thousand cycles (refer to technical data P.92).

Durability test to ensure high durability

Tohnichi conducts durability testing when developing new products. Before manufacturing new products, we test durability as type certification test. Also when mass production, we conduct sampling test regularly to maintain our high level of durability.



③ Easy maintenance

Tohnichi original 'toggle mechanism' enables gain-adjusting. Adjusting is possible without large scale disassembling such as replacing main spring of the screw driver, and that helps to cut the maintenance time and cost (refer to technical data P99-100).

④ 'Hexagonal locker' to prevent rolling

Tohnichi has changed the locker design from the old circled shape to the new hexagonal shape and this could prevent the torque screw driver from rolling and unexpected dropping. Lockers are the important parts that maintain alignment of readings. This re-designed hexagonal lockers prevent such accidents. Along with this development, locker can be easily repaired. (Refer to technical date P.110)



⑤ A large collection of series and product line

From the smallest torque (0.1mN·m) to large torque(16N·m), Tohnichi torque screwdrivers have a wide range of products.



⑥ Calibration devices

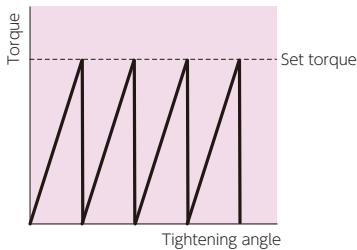
We cover TDT3 series for calibration,
LC3 or ATGE/BTGE series for daily
check



Tohnichi 2 types of torque screwdrivers (for your ideal work)

Signal type torque screw driver

■ Rotary Slip model

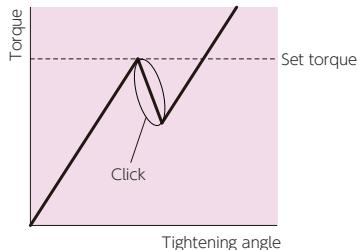


A clear 'Rotary-slip' shake signals tightening completion upon reaching the set torque. The shock repeats if tightening after reaching the set torque continues. Because users can tighten no further than the set torque, over-torque is completely prevented.

A sample product of rotary-slip type torque screwdrivers



■ Click type (non-rotary slip)



A clear ‘click’ sound signals tightening completion upon reaching the set torque. Once recognizing the click sound, loosen and finish tightening to avoid over-torque. Compared with rotary slip type, click type screwdrivers are low impact; they are suitable for tightening precision devices.

A sample product of click type torque wrench

