

CORTEX Service Compatible Wrench

Electronic & Ergonomic Torque Wrench
with Bluetooth

CORTEX
SERVICE



Uses

This CORTEX Service compatible torque wrench is used for ergonomic torque inspections and fixations where the applied peak torque can be registered in the CORTEX Service solution - by ADBSAFEGATE. More information on adbsafegate.com

Component Build & Features

1. Digital Type Torque Wrench - featuring:
 - High brightness LED, which allows easy tracking of the tightening condition.
 - Intuitive machine interface, bright LED indicates the current torque level against the target torque.
 - With CE mark. For international use including the EU region.
 - Applicable for international use including the EU region.
 - Compliant with calibration procedures of ISO 6789 Type I Class C.
 - Highly responsive torque sensor for precise application of patent pending tightening torque.
 - 10 different target torque values can be programmed and easily recalled by alphabetic registration.
 - Multiple units of measure (SI, Metric, American) setup capabilities.
 - Accuracy $\pm 3\%$ of indicated value, CW & CCW measurement, Power source: 2 x AA batteries.
2. Bluetooth® low energy module for seamless integration of the wrench with the CORTEX Service iOS Interface. This makes the device iPhone compatible resulting in an integration level not seen in the market. The values registered by the torque wrench can therefore be used for the validation of maintenance tasks requiring torque registration.
3. Extension bar for ergonomic torqueing 1 m - This allows for standup torqueing by the user and results in a lower level of effort and more accurate torque due to the ergonomic position. Two versions are available which are both rated for 100 Nm of torque that can be applied. The sockets can be for M10 bolts or for the US standard 3/8-inch - 16 UNC hex bolt. The sockets are glued to the extension poles to prevent FOD loss of sockets on the runway.
Carbon ½-inch socket- 0.85m long - graded for 100 NM - black color
Carbon ½-inch socket- 1m long - graded for 100 NM - black color

Compliance with Standards

All components used are CE certified. For international use including the EU region. The torque wrench has a calibration certificated and is valid for 100,000 torque actions or one year – whichever comes first.

Bluetooth component is FCC Certified - FCC ID: XPYNINAB1 - IC: 8595A-NINAB1

The extension bars are rated 100 NM from the supplier.

CORTEX Service Compatible Wrench

Ordering Types

Wrench Type	Metric version – Socket 17 mm for M10 bolt	Imperial version – Socket SAE for 3/8-inch - 16 UNC bolt
Torque wrench with Bluetooth, and 0.85 m carbon fiber extension for ½-inch socket	✓	✓
Torque wrench with Bluetooth, and 1 m carbon fiber extension for ½-inch socket	✓	✓

Dimensions

The torque wrench comes in a rugged handling case.

The extension bars are packed in a easy-to carry plastic extendable casing.



	Item	Packaging
Torque wrench with Bluetooth	475.5 x 54 x 56.5 [mm]	520 x 60 x 80[mm]
Extension bar	1030 mm diameter 30 mm	1400 mm diameter 120 mm

Basic Specifications

Item weight (wrench only)	0.86 kg
Batteries included	AA battery x 2pcs
Bluetooth version	
Max torque (N.m / lbf.in)	100 N.m / 880 lbf.in
Min torque (N.m / lbf.in)	20 N.m / 200 lbf.in
SQ drive size	½-inch
Accuracy	±3% of indicated value
Tightning direction	Clockwise/counterclockwise
Continuous use	Approx. 40 hours
Temperature range (for 3% Accuracy)	0-40 Celsius below 85% RH (no condensation)
Basic functions	Auto power off (3 minutes) Auto memory / reset Auto zero Over torque alarm