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## **TORQUE WRENCH**

Technical Support and E-Warranty Certificate

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## TORQUE WRENCH

Model:

18150FTLB / 18250FTLB / 16200INLB / 17080FTLB

HG-JX1210170A / DL17001 / HG-34600 / SG16002A / SG16002B

HG-14050 / HG-14230 / HG-14381206 / HG-386025 / HG-38100



This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

# 1. Important safety instruction



## **WARNING!**

Please read the operation manual carefully before you start to operate the torque wrench. Contact the manufacturer for any questions. So as to avoid safety accidents and damage to the torque wrench.

1.1 In order to maintain good accuracy, it is recommended to recalibrate approximately once a year or each 5000 times

1.2 Make sure the torque wrench is set correctly before use (the torque is set on the minimum scale for shipment).

1.3 Please go professional inspection department to perform regularly inspection for function and accuracy , in order to avoid injury accidents or damage the torque wrench, the individual must not disassemble the assembly.

1.4 After using the wrench, adjust to the minimum torque; If you do not use the torque wrench for a long time, rub on the anti-rust oil and store in a dry place.

1.5 Do not using torque wrench as a hammer, or using pliers to clip wrench,or using wrench in the water.

1.6 This product is intended to apply a specific torque force to a fastener such as a nut or bolt. Do not use this product to loosen bolts, screws or the other fastener, since it might damage the ratchet and the calibrated settings.

1.7 To prevent damage to the product, stop applying pressure when the “click” sound is heard. To remind that the “click” sound is acoustically weaker with lower torque settings

1.8 Use only within rated torques range

## 2. Parameter table

| Torque Wrench- Parameter table(1) |                       |              |              |             |             |
|-----------------------------------|-----------------------|--------------|--------------|-------------|-------------|
| 1                                 | Model                 | 18150FTLB    | 18250FTLB    | 16200INLB   | 17080FTLB   |
| 2                                 | Drive Size            | 1/2"         | 1/2"         | 1/4"        | 3/8"        |
| 3                                 | Number of Teeth       | 72           | 72           | 72          | 72          |
| 4                                 | Torque Range          | 10-150lbf-ft | 25-250lbf-ft | 20-200in.lb | 10-80lbf-ft |
|                                   |                       | 14-204n.m    | 34-340n.m    | 3-23n.m     | 14-110n.m   |
| 5                                 | Length                | 429mm        | 565mm        | 238mm       | 417mm       |
| 6                                 | Unit                  | lbf-ft/ N.m  | lbf-ft/ N.m  | in-lb/n.m   | lbf-ft/ N.m |
| 7                                 | Precision (clockwise) | ±3%          | ±3%          | ±3%         | ±3%         |

| Torque Wrench- Parameter table(2) |                       |                |               |                |                      |
|-----------------------------------|-----------------------|----------------|---------------|----------------|----------------------|
| 1                                 | Model                 | HG-JX1210170A  | DL17001       | HG-34600       | SG16002A<br>SG16002B |
| 2                                 | Drive Size            | 1/2"           | 3/8"          | 3/4"           | 1/4"                 |
| 3                                 | Number of Teeth       | 72             | 72            | 48             | 72                   |
| 4                                 | Torque Range          | 10-170 lbf-ft  | 10-100 lbf-ft | 100-600 lbf-ft | 20-200lbf-in         |
|                                   |                       | 13.6-230.5 N.m | 13.6-135.6N.m | 136-814N.m     | 2.3-22.6N·m          |
| 5                                 | Length                | 435mm          | 420mm         | 1010mm         | 235mm                |
| 6                                 | Unit                  | lbf-ft/ N.m    | lbf-ft/ N.m   | bf-ft/ N.m     | lbf-in/ N.m          |
| 7                                 | Precision (clockwise) | ±3%            | ±3%           | ±3%            | ±3%                  |

| Torque Wrench- Parameter table(3) |                       |                      |                                                |               |             |                       |
|-----------------------------------|-----------------------|----------------------|------------------------------------------------|---------------|-------------|-----------------------|
| 1                                 | Model                 | HG-14050<br>HG-14230 | HG-14381206<br>(3pcs torque Wrench in one set) |               |             | HG-386025<br>HG-38100 |
| 2                                 | Drive Size            | 1/4"                 | 1/4"                                           | 1/2"          | 3/8"        | 3/8"                  |
| 3                                 | Number of Teeth       | 72                   | 72                                             | 72            | 72          | 72                    |
| 4                                 | Torque Range          | 20-240 lbf-in        | 20-240 lbf-in                                  | 10-170 lbf-ft | 5-45 lbf-ft | 5-60N.m               |
|                                   |                       | 2.3~27.1N.m          | 2.3~27.1N.m                                    | 3.6-230.5N.m  | 6.8~61N.m   | 3.7~44.3lbf.ft        |
| 5                                 | Length                | 240mm                | 240mm                                          | 430mm         | 308mm       | 308mm                 |
| 6                                 | Unit                  | lbf-in/ N.m          | lbf-in/ N.m                                    | lbf-ft/ N.m   | lbf-ft/ N.m | lbf-ft/ N.m           |
| 7                                 | Precision (clockwise) | ±3%                  | ±3%                                            | ±3%           | ±3%         | ±3%                   |

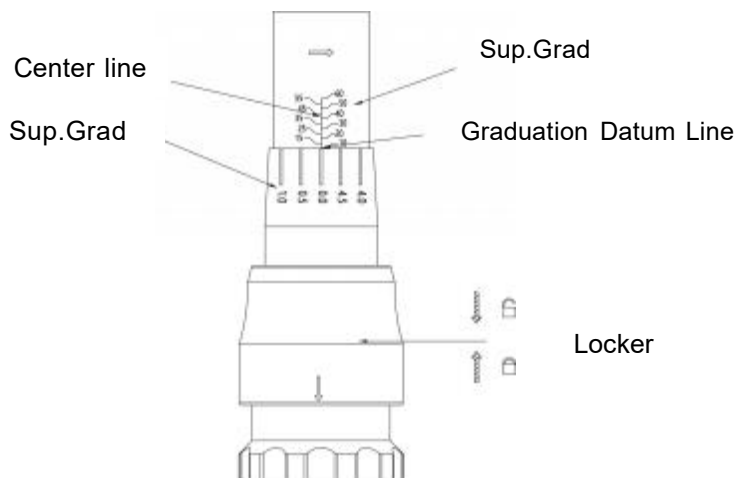
### 3.Selection Guide

Select the appropriate type of torque wrench and sleeve according to the torque value required by the bolt or nut to be tightened



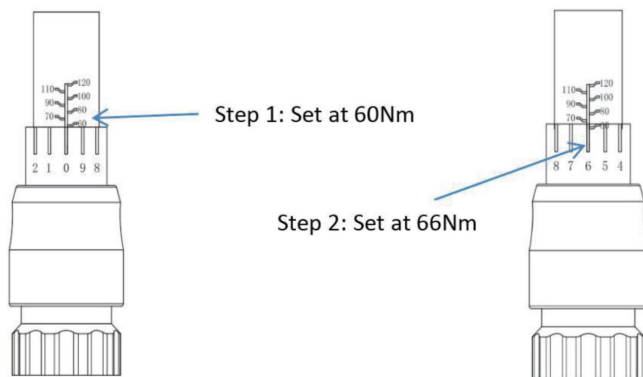
### 4.How to set a torque value

4.1 Pull back the locker to unlock the supplementary graduation.



4.2 Turn the Supplementary Graduation to set a torque(Combination of values on the Main and supplementary graduations.

#### Example 1) To set torque at 66Nm



4.2.1 Turn Supplementary Graduation until 60N.m on Main Graduation close to Graduation Datum Line. Now, torque is set at 60N.m .

4.2.2 Turn clockwise until 6 on Supplementary graduati on is aligned with Center Line.Now Torque is set at 66N.m

4.3. Apply the socket on to a bolt head or nut.

4.4. Turn the torque wrench clockwise to fasten the bolt.

4.5. Stop pulling the wrench when you hear a "Click", this means it's already at the torque value which you set.

## 5.Torque conversion table

| <b>From</b> | <b>To</b> | <b>Multiply</b> |
|-------------|-----------|-----------------|
| cNm         | in-lb     | 0.0885          |
| cNm         | ft-lb     | 0.00737         |
| cNm         | Nm        | 0.01            |
| Nm          | in-lb     | 8.85074         |
| Nm          | ft-lb     | 0.73756         |
| Nm          | kg-cm     | 10.19716        |
| Nm          | kg-m      | 0.10197         |

| <b>From</b> | <b>To</b> | <b>Multiply</b> |
|-------------|-----------|-----------------|
| Nm          | cNm       | 100             |
| kg-cm       | in-lb     | 0.86796         |
| kg-cm       | ft-lb     | 0.07233         |
| kg-cm       | Nm        | 0.09806         |
| kg-m        | in-lb     | 86.7961         |
| kg-m        | ft-lb     | 7.23301         |
| kg-m        | Nm        | 9.80665         |

# 6.Storage

- 6.1 This product is a precision instrument and should be stored with care using provided storage box. Avoid any vibrations and shocks.
- 6.2 Set the toque to the lowest level before storage.

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