*Please check the merchandise inventory for a product that is marked by before placing an order.

<table>
<thead>
<tr>
<th>No.</th>
<th>sq.</th>
<th>L</th>
<th>B</th>
<th>H</th>
<th>Effective for</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPB0152</td>
<td>1/4&quot;</td>
<td>3</td>
<td>~15</td>
<td>0.1 Oval</td>
<td>successive tightening with small torque of small parts, etc.</td>
</tr>
<tr>
<td>CMPB0253</td>
<td>3/8&quot;</td>
<td>5</td>
<td>~25</td>
<td>0.1 Oval</td>
<td>Suitable for compact aluminum engines, etc.</td>
</tr>
<tr>
<td>CMPB0503</td>
<td>3/8&quot;</td>
<td>10</td>
<td>~50</td>
<td>0.5 Oval</td>
<td>Basic model for motorcycles, but can also be used widely in general applications.</td>
</tr>
<tr>
<td>CMPB1003</td>
<td>3/8&quot;</td>
<td>20</td>
<td>~100</td>
<td>0.5 Oval</td>
<td>3/8&quot;sq. 1000 kgf type. The standard tool of the future.</td>
</tr>
<tr>
<td>CMPB0504</td>
<td>1/2&quot;</td>
<td>10</td>
<td>~50</td>
<td>0.5 Oval</td>
<td>1/2&quot;sq. compact and easy to use.</td>
</tr>
<tr>
<td>CMPB1004</td>
<td>1/2&quot;</td>
<td>20</td>
<td>~100</td>
<td>0.5 Oval</td>
<td>1/2&quot;sq. model covering a wide range of torque.</td>
</tr>
<tr>
<td>CMPB2004</td>
<td>1/2&quot;</td>
<td>40</td>
<td>~200</td>
<td>2 Oval</td>
<td>Effective for constructions and medium-sized vehicles.</td>
</tr>
<tr>
<td>CMPB3004</td>
<td>1/2&quot;</td>
<td>60</td>
<td>~300</td>
<td>2 Oval</td>
<td>1/2&quot;sq. model covering a wide range of torque.</td>
</tr>
<tr>
<td>CMPB8006</td>
<td>3/4&quot;</td>
<td>150</td>
<td>~800</td>
<td>Oval</td>
<td>Suitable for various applications.</td>
</tr>
<tr>
<td>CMPB8008</td>
<td>1&quot;</td>
<td>150</td>
<td>~800</td>
<td>Oval</td>
<td>Suitable for various applications.</td>
</tr>
</tbody>
</table>

- The graduations on the scale indicates N·m. (1kgf·m = 10N·m = 1N·m = 0.1kgf·m)

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### MEASURING TOOLS and EQUIPMENT

#### TORQUE WRENCHES

**Features**

- Because they are capable of setting torque value to be measured prior to measurement, the preset torque wrenches are effective in successive operations or operations in places where scale readout is difficult.

**Accuracy**

- The unique preset mechanism can set the torque value to be measured easily and accurately in detail.
- The preset value can be locked.

**Ease of handling**

- The measurement scale is indicated in N·m scale in compliance with the SI (international standard). The scale is stamped so it does not fade out.
- The operator is informed that the preset value is reached by the ratchet which changes angle at the neck.
- The counterclockwise torque can be measured as well as the clockwise torque.
- The head consists of a circular ratchet with a 60-tooth gear (having feed angle 6°), that is suitable for operations in tight spaces.

**Endurance**

- The main body is accommodated in a rugged plastic case which is suitable for protection and storage.
- The handle grip is made of rubberized material which resists slippage and the effects of shock.
- The entire mechanism is sealed to prevent penetration of dirt and dust, thereby reducing the possibility of malfunction.

---

**Type**

- **Minimum Scale**
- **Torque Range N·m (kgf-cm)**

---

**How to preset the torque.**

1. Pull grip down
2. Preset to desired torque
3. Lock the torque.
4. Start measurement.

**<Torque Setting>**

- Release your hand from the lock ring, and it will return automatically and the torque will be set.
- The torque is determined by the main scale and the sub-scale on the grip.

Example)

- Setting to 92N·m (For CMPA203)
- Setting to 40N·m (For CMPA203)

*The turning direction of the grip is reversed when setting the torque from a high level.*

- Turn the grip further to set the secondary scale to "12".
- Hold grip and pull it downward while shaking it a little to the left and right.
- Perform measurement. When preset value is reached, a light shock is felt and neck angle changes.

---

**Case Included**

- Round Oval
- CMPB0152
- CMPB1003
- CMPB3004
- CMPB8006
- CMPB8008

---

*CAUTION*

- WHEN THE WRENCH GENERATES A "CLICK" SOUND OR YOUR HAND FEELS A LIGHT SHOCK, DO NOT APPLY FURTHER LOAD TO THE WRENCH.
- DO NOT USE THIS WRENCH FOR LOOSENING A BOLT OR NUT.
Easily tightens wheel nuts at specified torque.

Pre-set type torque wrench for tightening wheel nut at regular torque. (10.5 kgf-m)

Preset torque wrench is dedicated for tightening most of 19 or 21 mm automobile wheel

Isuzu Steel wheel models

Suitable for torque management of vehicles equipped with aluminum wheels as

1.3 Suzuki Alto (before Oct 94), Carry

Mitsubishi, Daihatsu All passenger vehicles (Except recreational and light vehicles)

Mitsubishi, Daihatsu All models (except for RVs and mini-cars)

WHEEL NUT TORQUE WRENCH SET

Applicable to most of medium size cars with 19mm or 21mm wheel nut.

Toyota Recreation vehicles

Powerful tool for final inspection line checking, as well as for training beginners to

Features

Applications

The wheel nut torque wrench has been released to deal with the present situation.

Because excessive tightening of impact wrenches very frequently causes trouble.

The time has come for all service personnel to have his or her own torque wrench

operator.

The reasonable price of such wrenches make them essential tools to be owned by every

The wheel tightening torque values are those for standard wheels

Notes

1. Always, apply load slowly, centering around the grip line.

2. This product is a measuring tool which should be handled very

carefully. Take particular care never to drop, throw or hit it.

3. The required torque for special wheels.

4. Used by Japanese automobile manufacturers. Be sure to check the

required is too high.

5. For this reason, the above torque wrench cannot be used. However, the

torque value for light vehicles with 17mm nuts differs from the one for regular

vehicles and wheels.)

6. Suitable for wheel tightening torque of 10.5 kgf-cm. (Not applicable to some special

wheels.)

7. A built-in rubber cushion attenuates contact with plated and painted wheel nuts.

8. When the wrench generates a "click" sound or your hand

CAUTION

• When the wrench generates a "click" sound or your hand

• This is a measuring tool.

• Do not use this wrench with left-hand threaded nuts.

• Be sure to read the instructions and other manuals before

• Use.

• When the wrench generates a "click" sound or your hand

Nut Size (mm) Maker Vehicle Models

<table>
<thead>
<tr>
<th>Nut Size (mm)</th>
<th>Maker</th>
<th>Vehicle Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note : 6pt. Sockets are shown in blue letters. *Please check the merchandise inventory for a product that is marked by before placing an order.

Note: Compatibility Table (Vehicle make)

*Check the required torque before using the wrench on non-standard wheels.

*The wrench cannot be used for trucks and recreational vehicles as the torque

can be used on some foreign vehicles made outside of Japan.

*Compatible to wheel tightening torque value of 103N·Em. (Not applicable to

certain vehicles and wheels.)

CAUTION

-22H

-21H

-19H

No. S D 1 D2 HL

No. TWCMPA221

Torque wrench for wheel nut WCMPA103

Socket for 1/2"sq. wheel nut 21mm B38Z-21H

Note: 6pt. Sockets are shown in blue letters. *Please check the merchandise inventory for a product that is marked by before placing an order.

VW, Audi, Opel All models

Mercedes Benz, Rover, All models

Mazda Carol and Scrum (10 inch wheel)

Mitsubishi 2WD among light cars

Suzuki Not all models

Honda, Subaru All models (except for mini-cars)

Mazda All models (except for mini-cars)

Toyota, Nissan All passenger vehicles (Except recreational and light vehicles)

All passenger vehicles (Except recreational and light vehicles)

Isuzu All passenger vehicles
A digital torque wrench with the feel of a ratchet wrench. Built-in torque unit conversion function useful for maintenance on older or foreign cars. The large special resin case can hold Advanced torque measuring functions conform to international (ISO) standards.

**Product Lineup**

**Specification**

- **No. of storable measurements:** 5 (storable target torque values)
- **Measuring unit:** N•m (switchable to convert to kgf•m, lbf•in, lbf•ft)
- **Power supply:** Coin-type lithium battery
- **Auto OFF:** The power supply will turn off automatically if an operation is not performed within approximately 2 minutes.

**Application:**

- Normal bolts sized M12 to M18
- Normal bolts sized M10 to M14
- Normal bolts sized M8 to M12
- Normal bolts sized M5 to M10

**Measuring direction:** Left- and right-turning

**Torque measuring Range**

<table>
<thead>
<tr>
<th>No.</th>
<th>sq.</th>
<th>B</th>
<th>L</th>
<th>T1</th>
<th>T2</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEK200-R4</td>
<td>1/2&quot;</td>
<td>60</td>
<td>33</td>
<td>217</td>
<td>13.5</td>
</tr>
<tr>
<td>GEK135-R4</td>
<td>3/8&quot;</td>
<td>30</td>
<td>22</td>
<td>211</td>
<td>10</td>
</tr>
<tr>
<td>GEK085-R4-L</td>
<td>1/2&quot;</td>
<td>60</td>
<td>33</td>
<td>211</td>
<td>10</td>
</tr>
<tr>
<td>GEK085-R4</td>
<td>1/2&quot;</td>
<td>60</td>
<td>33</td>
<td>217</td>
<td>13.5</td>
</tr>
<tr>
<td>GEK085-R3-L</td>
<td>3/8&quot;</td>
<td>30</td>
<td>22</td>
<td>211</td>
<td>10</td>
</tr>
<tr>
<td>GEK085-R3</td>
<td>3/8&quot;</td>
<td>30</td>
<td>22</td>
<td>217</td>
<td>13.5</td>
</tr>
<tr>
<td>GEK060-R3</td>
<td>3/8&quot;</td>
<td>30</td>
<td>22</td>
<td>211</td>
<td>10</td>
</tr>
<tr>
<td>GEK060-R3-L</td>
<td>3/8&quot;</td>
<td>30</td>
<td>22</td>
<td>211</td>
<td>10</td>
</tr>
<tr>
<td>GEK030-C3-L</td>
<td>1/4&quot;</td>
<td>30</td>
<td>22</td>
<td>211</td>
<td>10</td>
</tr>
<tr>
<td>GEK030-C3</td>
<td>1/4&quot;</td>
<td>30</td>
<td>22</td>
<td>211</td>
<td>10</td>
</tr>
<tr>
<td>GEK030-R2-L</td>
<td>3/8&quot;</td>
<td>30</td>
<td>22</td>
<td>211</td>
<td>10</td>
</tr>
<tr>
<td>GEK030-R2</td>
<td>3/8&quot;</td>
<td>30</td>
<td>22</td>
<td>211</td>
<td>10</td>
</tr>
</tbody>
</table>

**Ratchet Head**

- The ratchet head offers the familiar handling of a union. The side of the tooth section is visible even from the lamp is readily visible.

- The large LED lamp is readily visible even from the side.

**Grip End**

The grip end is made of soft resin for higher visibility and grip. Rigid grip with built-in power sensor enables more precise torque measurement regardless of work posture and skill level of the operator.

**Mode Switching Button**

- We recommend periodically calibrating the torque to maintain measuring accuracy.
- Wipe the Digital Ratchet off immediately if chemicals or other liquids are spilled onto it.
- The Digital Ratchet is not waterproof. Do not apply excessive impacts to the Digital Ratchet by using it like a hammer to strike something, or by dropping it.
- Do not use pipes or other items to extend the length. Do not operate the ratchet outside the torque measuring range.

**Power Button**

- • Wipe the Digital Ratchet off immediately if chemicals or other liquids are spilled onto it.
- • The Digital Ratchet is not waterproof. Do not apply excessive impacts to the Digital Ratchet by using it like a hammer to strike something, or by dropping it.
- • Do not use pipes or other items to extend the length. Do not operate the ratchet outside the torque measuring range.
- • We recommend periodically calibrating the torque to maintain measuring accuracy.

**Manufacturer**

- *Digital Ratchet Wrench is a registered trademark of Kyoto Tool Co., Ltd.*
- *The GEK030-C3 Digital Ratchet is a compact model with a 9.5 sq. drive angle set in a 6.3 sq. ratchet head.*
- • Model selection guideline: A model in which the actual working torque value falls within 70% of the torque measuring range is recommended.

**Content**

- • Wipe the Digital Ratchet off immediately if chemicals or other liquids are spilled onto it.
- • The Digital Ratchet is not waterproof. Do not apply excessive impacts to the Digital Ratchet by using it like a hammer to strike something, or by dropping it.
- • Do not use pipes or other items to extend the length. Do not operate the ratchet outside the torque measuring range.
- • We recommend periodically calibrating the torque to maintain measuring accuracy.
MEASURING TOOLS and EQUIPMENT

TORQUE WRENCHES

Note: 6pt. Sockets are shown in blue letters. *Please check the merchandise inventory for a product that is marked by before placing an order.

DIGITAL ADJUSTABLE WRENCH

KTC is dedicated to providing each and every production site with torque control that upholds our commitment to safety, reliability, and quality.

● A digital torque wrench with the feel of an adjustable wrench.
● Storage of up to five measurements in memory ideal for frequent operations.
● Advanced torque measuring functions conform to international (ISO) standards.
● Built-in torque unit conversion function useful for maintenance on older or foreign cars.

Digital Adjustable Wrench expands usage wildly.

Suitable for plumbing work which socket wrench not applied to.

GEK200-W36
GEK135-W36
GEK085-W36

Greater ease of use was explored down to the finest detail.

The new Digital Ratchet features a fixed grip with power sensors for accurate torque measurement regardless of the work posture and the skill level of the operator. New functions, including customizable measuring and display modes, were added to broaden the range of applications. And greater ease of use was explored down to the finest detail to yield features like a larger, easier-to-read LED lamp.

Large LED Lamp is Visible Even from the Side

Working conditions have also been improved by employing an LED lamp that is readily visible even if the display itself is in an awkward position that makes it hard to read, such as in tight, narrow spaces.

Rigid Grip with Built-in Power Sensor

The built-in sensor accurately detects and analyzes the load applied to the grip to enable more precise torque measurement regardless of the work posture and the skill level of the operator.

Comes with a special resin case

<table>
<thead>
<tr>
<th>No.</th>
<th>B</th>
<th>L</th>
<th>T1</th>
<th>T2</th>
<th>Min. Readout (N·m)</th>
<th>Applied Size</th>
<th>Torque Measuring Range (N·m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEK085-W36</td>
<td>17</td>
<td>~85</td>
<td>0.1</td>
<td>10</td>
<td>69</td>
<td>275.2</td>
<td>14.5</td>
</tr>
<tr>
<td>GEK135-W36</td>
<td>27</td>
<td>~135</td>
<td>0.1</td>
<td>10</td>
<td>381.2</td>
<td>680</td>
<td>1</td>
</tr>
<tr>
<td>GEK200-W36</td>
<td>40</td>
<td>~200</td>
<td>0.2</td>
<td>10</td>
<td>581.2</td>
<td>990</td>
<td>1</td>
</tr>
</tbody>
</table>

• Model selection guideline: A model in which the actual working torque value falls within 70% of the torque measuring range is recommended.

* Accuracy assured under the below conditions only.
- shape of measuring object: hexagonal
- direction of measurement: toward the movable jaw

Firmly adjust the mouth to the width of the bolts and nuts.

Turn towards the lower jaw.

Do not apply strong impact on this tool by hitting it with a hammer, etc.

CAUTION

Dimensions in mm

Working Length

Ordinary Wrench

Working length (from rotational axis of the bolt to the force applied point) hardly changes even if the opening width changes, which enables high accuracy measurement.