

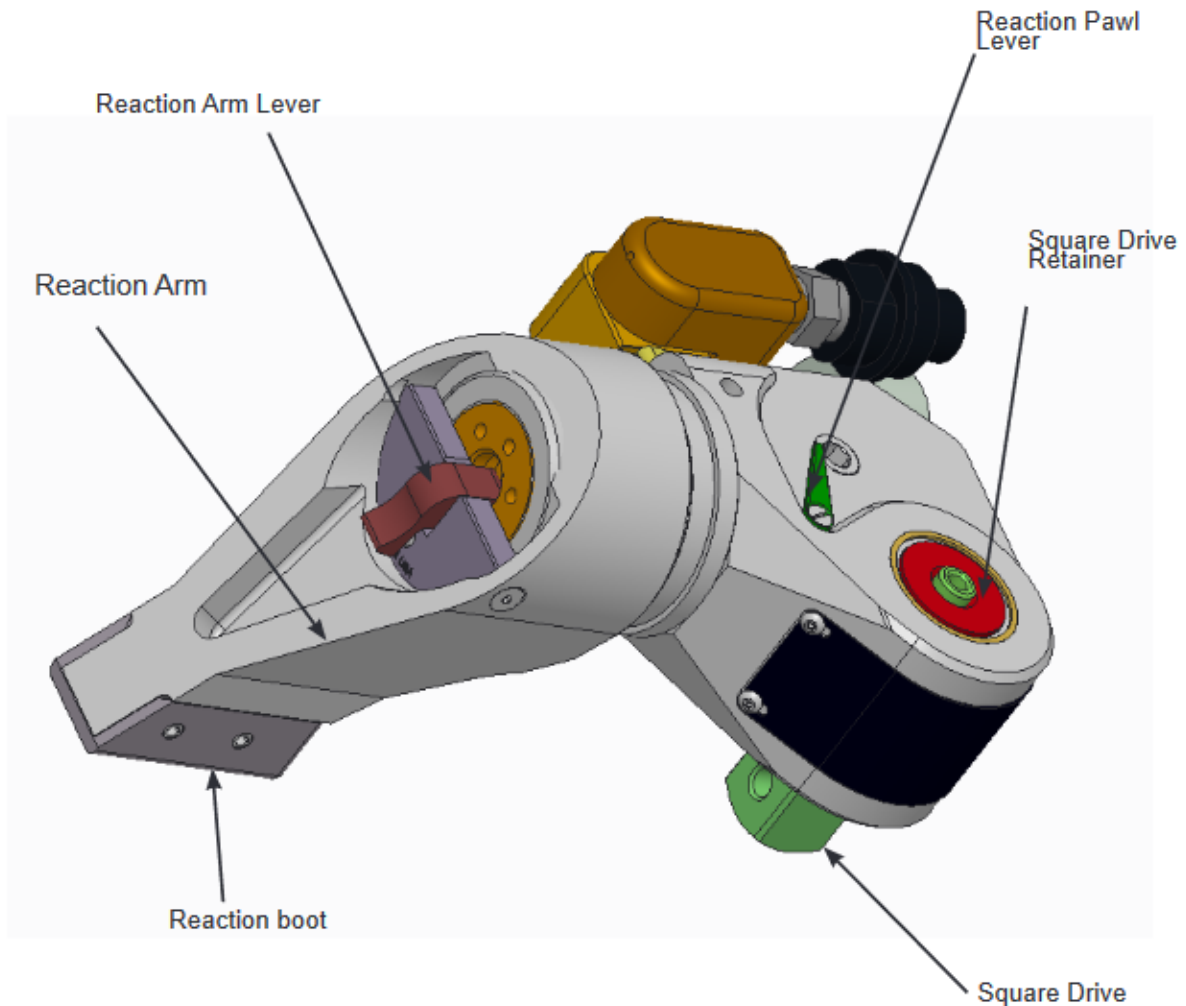
Best Torque Wrenches For 2022



If you do any automotive maintenance or repairs, you should own the best torque wrenches for 2022, whether they are beam-style, clickers, or even digital. If you do any automotive maintenance or repairs, you should own the best torque wrenches for 2022, whether they are beam-style, clickers, or even digital. The best torque wrenches help ensure that your nuts and bolts are tightened correctly so you don't over-tighten or under-tighten them. After comparing several wrenches for accuracy and comfort, our top picks stood out. Also included in this guide are descriptions of the different types and uses of torque wrenches.

When it comes to torque wrenches, Linquip offers plenty of information that can help you make an informed decision. With Linquip, you will have access to the top tools and instruments available on the market at this time, which will enable you to do your job more effectively. Our page "[**What Are Tools and Instruments?**](#)" explains what Linquip can do for you based on the intended use of your torque wrench.

In the near future, are you considering buying a torque wrench? You can easily find the appropriate tool for your purpose by searching through Linquip's extensive selection of [**Electric Wrenches**](#), [**Hydraulic Wrenches**](#), and [**Pneumatic Wrenches**](#) products for free. This Linquip platform can be a great resource for you if you're looking for a torque wrench quote. By submitting your information to our easy-to-use online form, you will be able to receive free quotes from multiple [**Tools and Instruments Suppliers and Companies**](#) within a matter of minutes. Within a short period of time, they will be delivered to you.



Parts of a hydraulic torque wrench (Reference: tft-pneumatic.com)

Basics of Torque Wrenches

When tightening nuts and bolts, torque wrenches are essential tools for applying a very specific amount of force. A torque wrench is a helpful tool for anyone, whether they are professionals or not. Performing automotive repairs may require torquing certain bolts according to the manufacturer's specifications. Taking apart your vehicle's front suspension, changing the wheels, or pulling the cylinder head and reassembling it is not going to be easy. A torque wrench is required to ensure each fastener and bolt is tightened correctly. It's unlikely that your car will go very far if you don't do this.

Torque wrenches, however, have many varied applications, including those in plumbing, HVAC, and construction. These diverse uses cause torque wrenches to have varying types, sizes, and characteristics, which can impact their functionality. You can find out what factors you should consider when looking for a torque wrench, along with our top recommendations here, to assist you in selecting the proper wrench for your needs.

There are several types of torque wrenches, ranging from basic to advanced — beam or deflection torque wrench (split beam torque wrench), dial indicator torque wrench (dial torque wrench), click-style torque wrench, hydraulic torque wrench, and digital wrench.

To ensure that specific components and the vehicle itself function as designed, nuts and bolts should be tightened clockwise to manufacturer-recommended torque ranges. You can damage your car or truck if you don't follow these torque specs, shorten the component life, and cause a lot of headaches in the long run if you do not follow them. It is critical to tighten head bolts to a specific torque setting, for instance, and each bolt may require a different torque wrench. If you don't use the correct torque wrench, you won't have to go through the pain of replacing a head gasket and having the same thing happen the following week.

In spite of all this, the process is neither complicated nor expensive. In today's market, torque wrenches come in a variety of designs and prices, from basic beam-style units that cost only a few bucks to advanced electronic torque wrenches that are extremely accurate.

You need to know four things about torque wrenches in order to make the most of them:

- The manufacturers specify torque ratings for everything, including taillamp housings, wheel lug nuts, and cylinder head bolts. For every component to work as designed and last as long as possible, it needs to be properly tightened — but not over-tightened. The importance of torque wrenches can't be overstated.
- Fasteners can be fudged when tightened by skipping the torque wrench because not all automotive parts and systems are equally critical. It's probably okay to just guess how tightly you need to torque a piece of interior trim that needs to be torqued to the 12-inch-pound torque limit. If you're repairing brakes, adjusting steering systems, or tightening main bearing caps, use a torque wrench and follow the manufacturer's directions.
- Different ends are available with torque wrenches. Typically, these come in 1/4-, 3/8-, and 1/2-inch sizes, but larger ones are also available. In many cases, a 3/8-inch unit will be sufficient. A torque wrench may also come with an adapter so that you can use it with a variety of sockets for added versatility.
- One of the easiest torque wrenches to use is a digital torque wrench. It's as simple as setting the desired torque, and the system will alert you when you reach it. Their downsides include the need for batteries, higher complexity, and a costlier price tag than analog versions. While beam wrenches are extremely simple, with virtually no parts to break, they are much more challenging to operate. Torque wrenches with clicking-style handles are a popular choice.

It isn't necessary to maintain torque wrenches because they are durable tools. In general, though, torque wrench manufacturers recommend keeping it clean and not dropping it. They also recommended storing it in a separate case to prevent collisions with other tools and recalibration about once a year.

You need sockets for most torque wrenches since they have ratchet handles. 1/2-inch sockets are needed for wrenches with 1/2-inch drives. Sometimes, there is a need to use an extension to reach lug nuts so that a wrench does not scrape against a wheel or tire. As a general rule, drive sizes of torque wrenches and sockets should match if the torque is high, so, for example, 3/8-inch sockets can be used on a 1/2-inch drive torque wrench.

If you are changing a cylinder head, some head gaskets need an “angle torque” technique where you torque each fastener a certain amount, then rotate it to tighten it further (e.g., 90 degrees). There are some digital torque wrenches with built-in torque angle measurement capabilities, but others require an inexpensive torque angle gauge.

Torque Wrenches Buying Guide

For automotive nuts and bolts, you must tighten them to a specific tightness. With a torque wrench, you can determine the torque required, usually measured in lb-ft (pounds per lever foot). As a result, it is important to use an accurate torque wrench. A torque wrench should be purchased after considering the wrench type, range of operation, accuracy, drive size, and type of head.

Types

The most common design for torque wrenches is one of these:

Click

Torque wrenches most commonly come in the form of click wrenches. A torque indicator is aligned with the desired torque when twisting the handle. The wrench will make a clicking sound when it reaches the set torque when tightening a bolt.

Beam

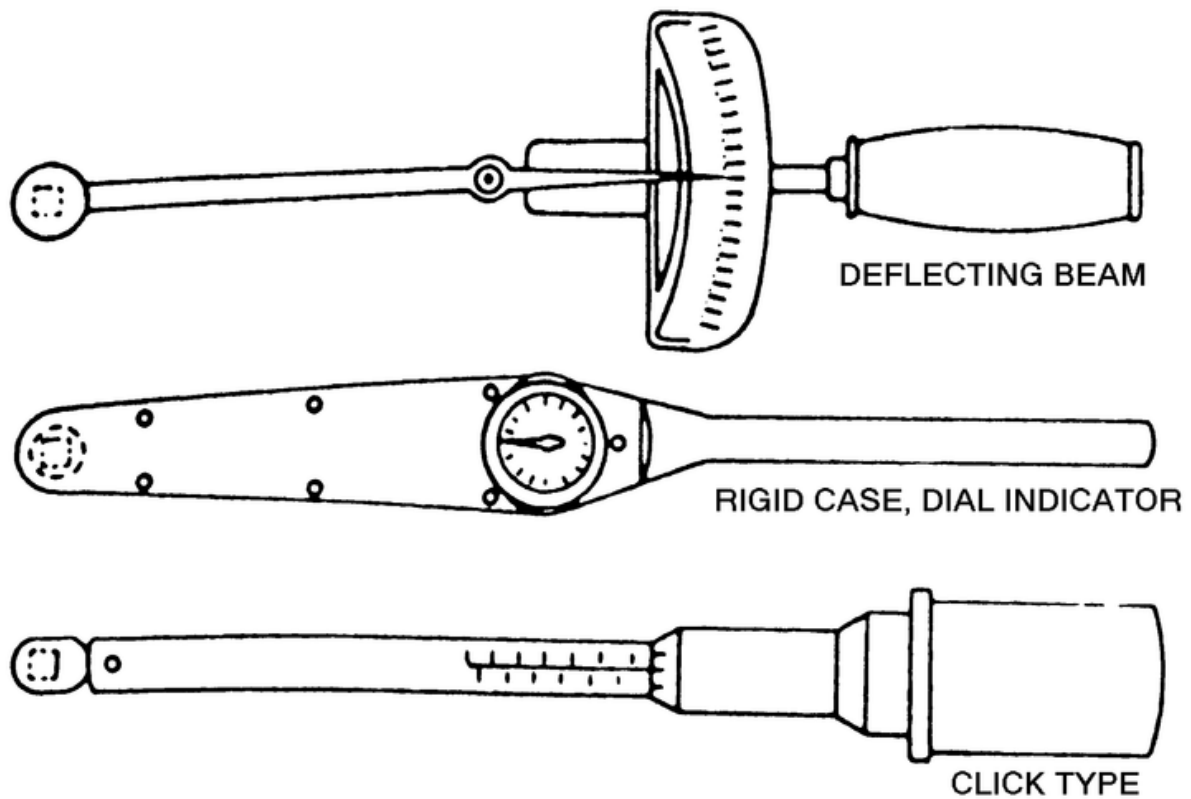
The beam wrench is the simplest type of torque wrench. There is a pointer beam connected to the wrench head that displays torque. A beam wrench is generally the least accurate and cheapest type of torque wrench.

Split-beam

There is often a higher degree of accuracy with split-beam wrenches compared to standard beam wrenches. You can set the desired torque rating with a split-beam wrench, and it stops tightening once the setting is reached (thereby preventing the wrench from over tightening).

Digital

The most accurate torque wrenches are often digital. A torque rating can usually be set and displayed on an LED screen. These torque wrenches require batteries since they are digital.



A schematic overview of different types of torque wrench (Reference: mazedabg.com)

Torque Range

Depending on the scale used, torque can be measured in foot pounds, inch pounds, or newton meters. Typically, mechanical torque wrenches (the click, beam, and split beam types) have a dual-range scale that shows foot- or inch-pound measurements on one side and newton meters on the other. Most digital torque wrenches come with all three that you can navigate through by using the LCD screen.

It is possible for a wrench to have a torque range of anything between 0 and 300 foot-pounds, 0 to 1,000 inch-pounds, or 0 to 400-newton meters, depending on the manufacturer. For most automotive work, you will need a wrench that ranges from 10 to 150 foot-pounds or 10 to 200 inch-pounds (along with the corresponding newton meter). For plumbing and HVAC jobs, between 10 and 80 feet-pounds is usually adequate.

Drive size

The torque wrench's drive is the square protrusion that connects the socket drive to the wrench's head. As such, torque wrench drive sizes must match socket dimensions. Additionally, the drive size heavily influences the maximum torque a wrench can exert. Higher torque values are generally associated with larger drives.

The length of the handle also affects the torque a wrench can produce, so a longer handle corresponds to a larger drive. Shorter handle lengths and smaller drive sizes have lower torque ranges but are also easier to maneuver in small spaces (for instance, in your car's

engine bay). Using a larger drive size produces more torque, but the longer handle requires more space to operate (e.g., tightening lug nuts).

There are usually three sizes of torque wrenches available: 1/4-inch, 3/8-inch, and 1/2-inch; the last two of which are usually the most popular and versatile. In addition to power tools, a 14-inch drive is commonly found on plumbing and HVAC components as well as small engines (like landscaping equipment).

Accuracy

The purpose of torque wrenches is to ensure that the nuts and bolts you tighten are within very specific and narrow torque ranges. The wrench's ability to measure torque accurately is key to avoiding under-tightening or over-tightening. A torque wrench's accuracy is determined by calibration tests conducted by wrench manufacturers.

There is an average accuracy rating of 4 percent of the torque value represented by a wrench's scale, though high-end wrenches can be calibrated to as precise as 2 percent. Several of the high-end wrenches also include a calibration certificate that demonstrates they have been calibrated before being packaged.

Head Type

There are two types of torque wrench heads: fixed and flexible. Torque wrenches with fixed heads are solid beams. Up and down pivoting is possible with flexible head torque wrenches. Fastening bolts in tight places where a fixed head torque wrench cannot be used can be made possible with a flexible head torque wrench.

Handle

A longer handle allows you to apply pressure evenly and maintain more control. Plastic or rubber grips may be used on handles to keep them from slipping out of your hands while you use them.

Best Torque Wrenches Reviews

The following are our top recommendations for torque wrenches, as well as their strengths, weaknesses, and a description of each one. We have given you an overview of the basics of torque wrenches, their various types, applications, and limitations, as well as the factors to consider when choosing a model. As a result of taking a close look at the aforementioned factors, the following list is provided. Here comes the most exciting part of the article; let's dive in.

1. CDI Torque 2503MFRPH 1/2-Inch Drive Torque Wrench



CDI Torque 2503MFRPH 1/2-Inch Drive Torque Wrench (Reference: cditorque.com)

Pros & Cons

Pros

- It is easy to clamp and release the sockets.
- There is no trouble reading it or setting it up.
- There is enough length to allow you to work in hard-to-reach places.

Cons

It is not possible to store the tool in its lowest position in the case because it is too short.

Specifications

Item Weight	4.3 Pounds
Power Source	Hand Powered

Head Style	Fixed Square
Material	Alloy steel
Product Dimensions	21.25 x 2.8 x 2.4 inches
Torque Range	30-250 ft.lbs
Size	1/2"

This CDI 1/2-Inch-Drive Adjustable Micrometer Torque Wrench is easy to use, quick, accurate, and quick to adjust. With its all-metal construction, you can apply enough force to tighten even large nuts with up to 250-foot pounds of torque. Moreover, the laser-marked single scale will not fade or scratch away over time. In addition to tightening lug nuts, this drive is ideal for performing repairs on large engines, such as those found in automotive cars, trucks, and even boats.

Left- or right-handed users can use the wrench in either direction since its dual scale is calibrated for both directions. With its positive lock and spring-loaded pull-down lock ring, it makes it easy to set your desired level of tightness and lock it to ensure there is no slipping or wiggling. Sockets can be tightened and removed with quick-release buttons. Soft plastic ergonomic grips make it comfortable even when it's tough going.

This torque wrench has a calibration that provides 3 percent clockwise and 5 percent counterclockwise of the indicated value. With a length of 24.4 inches, the tool can reach even tight spots inside engines or behind wheels. A black plastic storage case is included with the wrench.

2. ACDelco ARM601-4 1/2" Heavy Duty Digital Torque Wrench



ACDelco ARM601-4 1/2" Heavy Duty Digital Torque Wrench (Reference: acdelco-tools.com)

Pros & Cons

Pros

- Beginners will find it easy to use.
- It is accurate.
- A variety of display modes are available.

Cons

- It is not possible to set torque alerts below 10.0 pounds-feet.
- Four AAA batteries are required.

Specifications

Item Weight	2.2 Pounds
Power Source	Battery Powered
Head Style	Fixed Head
Material	Metal
Product Dimensions	1.5 x 1.5 x 17 inches
Torque Range	14.8 to 147.5 ft.lbs
Size	1/2"

ACDelco's digital torque wrench is an accurate and versatile torque wrench. Besides measuring torque in lb-ft, this wrench also has peak/track and angle measurement modes.

ACDelco wrenches come with a certificate of calibration and are calibrated according to ISO 6789. There is also a one-year warranty included, as well as an LCD screen that can be read in low-light conditions.

ACDelco torque wrenches require more setup since they are digital. Click-style torque wrenches, on the other hand, are ready to use right out of the box. In a confusing arrangement, there are two compartments for batteries, with the primary compartment accommodating four AAA batteries.

A push-button back allows sockets to be attached and detached. Despite the fact that a plastic handle is designed to provide comfort, it is not as comfortable as a rubber or metal grip. It does, however, provide excellent leverage.

This is a digital wrench that allows torque settings, to be precise, in 0.1-lb-ft increments. Upon reaching the desired torque value, a buzzer sounds.

In addition to its features, consumers find the wrench to be both accurate and easy to use. In terms of cost, many feel that this is the best torque wrench deal you'll find (since cheaper wrenches are less accurate). It isn't necessary for you to be an automotive expert to use this wrench.

There have been complaints that the torque alert can't be set below 4.0 lb-ft. The wrench can be used to tighten bolts to low torques (by watching the digital display), but it won't beep at torques lower than 10.0 lb-ft.

3. TEKTON 3/8 Inch Drive Click Torque Wrench



TEKTON 3/8 Inch Drive Click Torque Wrench (Reference: [tekton.com](https://www.tekton.com))

Pros & Cons

Pros

- There is no difficulty using or reading the device.
- For the price, it's an excellent deal.

Cons

- The calibration certificate is not included with the product.
- There have been a few complaints about the inaccuracy of the information.

Specifications

Item Weight	1.84 Pounds
Operation Mode	Mechanical
Head Style	Fixed Square
Material	Alloy Steel
Product Dimensions	14.4 x 1.4 x 1 inches
Torque Range	10 to 80 ft.lbs
Size	3/8"

There are many benefits to buying Tekton's 3/8-inch-drive click torque wrench, including its affordability, durability, accuracy, and reliability. In addition to its steel construction, it does not contain any plastic parts that could crack or warp, and it has a torque range from 10 to 80 foot-pounds, and accuracy ranges from 4 percent clockwise. Although the 3/8-inch drive is suitable for working on most automotive engines, it is generally too small for lug-nut work and usually requires a 1/2-inch drive.

Upon reaching the preset torque value, an audible click is heard. In this way, the screw or nut is applied with just the right amount of pressure, avoiding inadvertent over-tightening and subsequent damage. Even in poor lighting, the dual-range, high-contrast scale is easy to read. Despite moving clockwise and counterclockwise, the reverse ratcheting head measures torque only when it is rotated clockwise. The plastic storage case is included with the wrench.

4. Precision Instruments PREC3FR250F 1/2" Drive Split Beam Torque Wrench



Precision Instruments PREC3FR250F Silver 1/2" Drive Split Beam Torque Wrench (Reference: torqwrench.com)

Pros & Cons

Pros

- The construction of this product is durable.
- There is a flexible head on the device.
- This is a highly rated product.

Cons

There is potential for flex heads to angle even further.

Specifications

Item Weight	4.5 Pounds
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Operation Mode	Mechanical
Head Style	Flexible Head
Material	Silver
Product Dimensions	25.5 x 3 x 2.1 inches
Torque Range	40 to 250 ft.lbs
Size	1/2"

This torque wrench has a split beam design from Precision Instruments and can handle torque up to 250.0 lb-ft. With its flexible head design, it can fit into tight spaces and provides accurate torque measurements within four percent.

This split-beam wrench is well designed. In addition, the instructions are very clear, and the device is easy to use and calibrate. The ergonomic rubber grip and sturdy construction of this torque wrench made it the most comfortable torque wrench to use for its size.

Customer reviews confirm that this wrench reads the correct torque when used correctly. There are several reports that this wrench is accurate, fulfilling the torque target within the four percent margin of error provided.

The beam-style wrench is appreciated by consumers for its wide torque range as well as its simplicity. Beam wrenches don't require adjustment between uses, as opposed to click wrenches require setting torque to a minimum during the time when they are not being used.

Durability is also one of the most common features that are frequently praised. Its sturdy construction makes it safe to drop and handle without catastrophic failure.

Flex heads cannot bend far enough for tight spaces, so some wish they could be further angled.

5. PRO BIKE TOOL Adjustable Torque Wrench Set



PRO BIKE TOOL Adjustable Torque Wrench Set (Reference: probiketool.com)

Pros & Cons

Pros

- Due to its size and lightweight, it can easily be carried in a pocket or bike bag.
- Most bicycle fasteners and nuts can be handled with this wrench.

Cons

The settings cannot be changed easily.

Specifications

Item Weight	8.4 ounces
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Operation Mode	Manual
Head Style	Hex
Material	Carbon Steel, Carbon Fiber
Product Dimensions	9.1 x 5.5 x 1.4 inches
Torque Range	4,5,or 6 Newton meters
Size	N/A

Pro Bike Tool has developed a bicycle-specific torque wrench that can handle any tough nut-loosening situation you'll encounter when heading off the beaten path. The set includes a compact and T-shaped handle, as well as four interchangeable tool bits. A T25 bit and three 3, 4, and 5 mm hex/Allen bits are included, which are suitable for most bicycle fasteners, such as nuts on seats, handlebars, levers, and clamps.

There is a knob on the handle to adjust the torque setting to four, five, or six newton meters, which is the most common setting for bicycles. As soon as the wrench reaches the desired torque, it "clicks out" to prevent damaging over-tightening. Torque knob adjustment is made possible with the Allen wrench included in the set.

6. Husky 564464 Torque Wrench



Husky 564464 Torque Wrench (Reference: [amazon.com](https://www.amazon.com))

Pros & Cons

Pros

- Having a long enough handle will make it easier for the user to reach hard-to-reach nuts and bolts.
- This is an accurate and user-friendly tool.
- The calibration certificate is included in the set.

Cons

Several complaints have been made that the tool did not click when it reached the torque setting, which was expected.

Specifications

Item Weight	4.95 Pounds
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Type	Click
Head Style	Flexible
Material	Alloy Steel, Hard, Plastic
Product Dimensions	30.9 x 10.2 x 2.6 inches
Torque Range	50-250 ft.lbs
Size	1/2"

An excellent feature of its is that it has a wide torque range, from 50 to 250 foot-pounds, making it ideal for tightening heavy-duty fasteners like lug nuts. It is also provided with an audible click to let you know when the desired setting has been achieved, eliminating the need for you to make guesses. In order to give you an idea of how loud the click will be, just remember it gets louder as the torque range increases. Within a range of +/-3 percent clockwise, the tool is calibrated.

Alloy steel and a sealed design to keep out oil and grime make this tool a sturdy one that can handle even the toughest jobs in the garage without giving up. Using the tool is easy because you can twist the handle to set the torque you want and then lock it in place so that the device won't slip or spin while you are using it. A hard plastic case is included in the set that can be used for storing it.

7. EPAuto 1/2-inch Drive Click Torque Wrench



EPAuto 1/2-inch Drive Click Torque Wrench (Reference: [amazon.com](https://www.amazon.com))

Pros & Cons

Pros

- The unit is equipped with a 12-to-38-inch drive adapter, allowing it to be used in a variety of applications.
- It comes with a socket extension so that it can be used in places where it is difficult to reach.
- The cost of the product is low.

Cons

The wrench has been highly criticized for some users complaining that the wrench does not click at specific values, resulting in overtightening of the tool.

Specifications

Item Weight	3.69 Pounds
Operation Mode	Mechanical
Head Style	Fixed Square
Material	Chrome Vanadium Steel
Product Dimensions	17.4 x 3.3 x 2.6 inches
Torque Range	10-150 ft.lbs
Size	1/2" with 3/8" adapter

At a very reasonable price, EPAuto's 1/2-inch torque wrench is an excellent choice for those looking for an exceptional deal. In order to ensure its durability, it is crafted from high-quality chrome-vanadium steel, and it is equipped with an easy-to-read torque range scale on the handle that allows it to be incredibly reliable. In addition, the handle itself is made of a knurled rubber material that is ergonomic and slip-resistant, enabling you to keep a solid grip even when your hands are greased or dirty.

It does not end there; as an added bonus to the deal, EPAuto includes a 1/2 inch to 3/8 inch socket adapter, allowing for enhanced versatility and a socket extension for making gaining entry to hard-to-reach areas more accessible.

8. TOOLUXE 03703L Dual Drive Beam Style Torque Wrench



TOOLUXE 03703L Dual Drive Beam Style Torque Wrench (Reference: [amazon.com](https://www.amazon.com))

Pros & Cons

Pros

- It is accurate.
- There are both 3/8 inch and 1/2 inch drives included in this kit.
- There is no need to set the torque before using the tool.

Cons

- This product does not include a certificate of calibration with it.
- There can be difficulty in reading small.

Specifications

Item Weight	1.3 Pounds
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Power Source	Hand Powered
Head Style	Fixed Square
Material	Alloy Steel
Product Dimensions	17.4 x 8 x 2.5 inches
Torque Range	0-150 ft.lbs
Size	1/2-inch and 3/8-inch

With beam torque wrenches, you are able to achieve very precise torque levels, which is especially important when you are working on fasteners that require a certain level of tightening for safety reasons, such as car engine parts and lug nuts. The Tooluxe's Dual Drive Beam Torque Wrench goes one step further by supplying not only one but two drive heads-one of them is 3/8-inch in diameter, while the other one is 1/2-inch-so you can handle a wide range of jobs without needing to look for another torque wrench.

With a rubber-grip handle and an alloy steel construction, the wrench can handle torques ranging from 0 to 150 foot-pounds. There is no need to recalibrate this torque wrench frequently, unlike a click-style torque wrench, and it is easy to grip and use. In addition to being a great addition to your mechanic's tool kit, this is an affordable item as well.

9. Yellow Jacket Electronic Adjustable Torque Wrench



Yellow Jacket Electronic Adjustable Torque Wrench (Reference: yellowjacket.com)

Pros & Cons

Pros

- There is no need to use sockets for this device.
- The tool is perfect for working on air conditioners and other similar equipment.

Cons

This product does not include a certificate of calibration with it.

Specifications

Item Weight	0.1 Pounds
Operation Mode	Electric
Head Style	Flare Nut, Fixed Square
Material	Alloy Steel
Product Dimensions	18.6 x 5 x 2.6 inches
Torque Range	3.1-62.7 ft.lbs
Size	N/A

It is quite common for torque wrenches to require the use of a socket to be inserted over the nut that needs to be turned. Unlike a regular wrench, the Yellow Jacket Electronic Adjustable Torque Wrench features an adjustable span head. The tool comes with a separate 3/8-inch-drive head, allowing you to switch between them if you wish. If you need to tighten connections on air conditioning systems or similar equipment carefully but firmly, this is the tool for you.

There is a range of 0.2 to 1.18 inches of the opening between the jaws. With an accuracy of 2% clockwise and 3% counterclockwise, the torque range is 3.1 to 62.7 foot pounds. Nine torque values are preset in the tool, but if you prefer, you can set your own. There is a buzzer and an indicator light that gets brighter as you approach the torque setting. You will need two AAA batteries for the wrench, which are included.

10. GEARWRENCH 1/2inch Drive Electronic Torque Wrench



GEARWRENCH 1/2inch Drive Electronic Torque Wrench (Reference: gearwrenchshop.com)

Pros & Cons

Pros

- The display is digital.
- Multiple alerts are available.
- Through most of the range, accuracy is within +/- 2%.

Cons

- There is an additional cost over a click-stop torque wrench.
- Torque angle measurements are not available with the non-flex-head version.
- Batteries (AA) are required.

Specifications

Item Weight	5.19 Pounds
Operation Mode	Electric
Head Style	Fixed Square
Material	Alloy Steel
Product Dimensions	25.65 x 2.86 x 3.26 inches
Torque Range	25 to 250 ft.lbs
Size	1/2"

In case you want something with more features than the traditional click-stop torque wrenches, the Gearwrench 85077 is the tool for you. It has a 25-inch-long handle that vibrates as you approach the target torque, signaling your progress with a buzzer and a LED. The torque range of this wrench, even though its title states Newton-meters, is 25 to 250 foot-pounds; it has a digital display that allows you to select units. It is possible to purchase a flex-head model for an additional fee.
