

Please read and save these instructions. Read through this owner's manual carefully before using product. Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference.



## 1/2" DRIVE TORQUE WRENCH 25-250 FT/LBS.

### FOR CUSTOMER SERVICE

Technical Question?

**CALL 1-866-458-2472**  
customerservice@oem-tools.com

### UNPACKING

After unpacking the unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing, or damaged parts. If any damage is observed, a shipping damage claim must be filed with the carrier. DO NOT use the OEMTOOLS™ 25695 1/2" Drive Torque Wrench if broken, bent, cracked or damaged parts (including labels) are noted. Any Torque Wrench that appears damaged in any way, operates abnormally or is missing parts should be removed from service immediately. If you suspect that the Torque Wrench was subjected to shock load (a load that was dropped suddenly, unexpectedly, etc.), immediately discontinue use until it has been checked by a factory authorized service center.



### **⚠ WARNING**

The following safety information is provided as a guideline to help you operate your Torque Wrench under the safest possible conditions. Any tool or piece of equipment can be potentially dangerous to use when safety or safe handling instructions are not known or not followed. The following safety instructions are to provide the user with the information necessary for safe use and operation. Please read and retain these instructions for the continued safe use of your Torque Wrench. Failure to follow instructions listed below may result in serious injury. In addition, make sure that anyone who uses the equipment understands and follows these safety instructions as well.

### Explanation of Safety Signal Words

- ⚠ WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- ⚠ CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
- CAUTION:** Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.
- NOTES:** Provide clarity and helpful information.

Thank you very much for choosing an OEMTOOLS™ Product!

For future reference, please register your new tool at [www.oem-tools.com](http://www.oem-tools.com) and complete the owner's record below:

Model: \_\_\_\_\_ Purchase Date: \_\_\_\_\_

Save the receipt, warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it. This product is designed for certain applications only. OEMTOOLS™ cannot be responsible for issues arising from modification. We strongly recommend this product is not modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the product until you have first contacted customer service to determine if it can or should be performed on the product.

**⚠ WARNING:** This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



# 1/2" DRIVE TORQUE WRENCH 25-250 FT/LBS.

## **! IMPORTANT INSTRUCTIONS AND SAFETY RULES**

1. Know your product. Read this manual carefully. Learn the product's applications and limitations, as well as potential hazards specific to it.
2. Keep work area clean and well lit. Cluttered or dark work areas invite accidents.
3. Keep children away. All children should be kept away from the work area. Never let a child handle tools or equipment without strict adult supervision.
4. DO NOT operate this product if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, DO NOT attempt to operate.
5. Use safety equipment. Eye protection should be worn at all times when operating this tool. Use ANSI approved safety glasses. Everyday eyeglasses are NOT safety glasses. Dust mask, non-skid safety shoes, hard hat or hearing protection should be used in appropriate conditions.
6. Wear proper apparel. Loose clothing, gloves, neck-ties, rings, bracelets or other jewelry may present a potential hazard when operating this product. Keep all apparel clear of the product.
7. DO NOT overreach. Keep proper footing and balance at all times when operating this product.
8. Check for damage. Check equipment regularly. If part of the product is damaged, it should be carefully inspected to make sure that it can perform its intended function correctly. If in doubt, discontinue use of product.
9. Keep away from flammables. DO NOT attempt to operate this product near flammable materials or combustibles. Failure to comply may cause serious injury or death.
10. Store this product out of the reach of children and untrained persons. This product may be dangerous in the hands of untrained users.
11. Keep this product dry and clean.
12. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one product may become hazardous when used on another product.
13. Service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
14. When servicing a product, use only identical replacement parts. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of injury.

15. Maintain a safe working environment. Keep the work area well lit. Make sure there is adequate surrounding workspace. Keep the work area free of obstructions, grease, oil, trash, and other debris. Do not use this product in a damp or wet location.
16. Maintain labels and nameplates on this product. These carry important information. If unreadable or missing, contact OEMTOOLS™ for a replacement.
17. Keep this product dry, clean, and free from brake fluid, oil, and grease.
18. Avoid accidental fire. DO NOT smoke near this product.
19. The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
20. We believe the information contained herein to be reliable. However, general technical information is given by us without charge and the user shall employ such information at their own discretion and risk. We assume no responsibility for results or damages incurred from the use of such information in whole or in part.
21. The manufacturer declines any and all responsibility for property damage or injury if said damage is the result of unskillful handling by the operator or of failure to observe the basic safety rules set forth in the instruction manual.
22. The procedures documented in this manual are to serve as guidelines for the use of this equipment.
23. The use of this equipment is simple and straightforward if you follow the instructions. When operating this equipment, use common sense, and only use this equipment for its intended purpose.

## **PRODUCT DESCRIPTION**

The OEMTOOLS™ 25695 1/2" Drive Torque Wrench is a dual-range torque wrench, designed to measure Foot Pounds and Newton Meters.

## **PRODUCT SPECIFICATIONS**

<b>DRIVE</b>	1/2"
<b>MEASUREMENT</b>	Ft/Lbs. and N•m
<b>TORQUE RANGE</b>	25-250 Ft/Lbs. (33.9-339.0 N•m)
<b>STYLE</b>	Click
<b>LENGTH</b>	25" (635 mm)
<b>MICROMETER SCALE</b>	1 Ft/Lb. (1.35 N•m)
<b>RATCHET</b>	24 Tooth
<b>ACCURACY</b>	±4%





# 1/2" DRIVE TORQUE WRENCH 25-250 FT/LBS.

## TORQUE WRENCH PREPARATION INSTRUCTIONS

**NOTE:** The scale on the shaft of the torque wrench is referred to as the Main Scale. The scale on the adjustable handle is referred to as the Micrometer Scale.

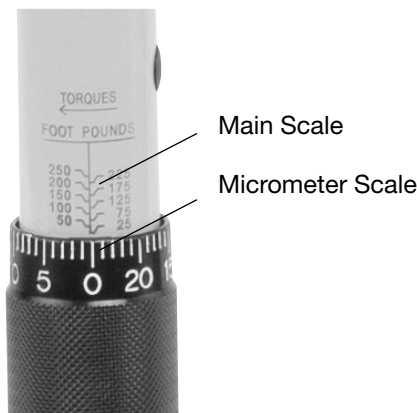
**NOTE:** The Lock Nut should be tightened by hand. DO NOT attempt to tighten the Lock Nut using a wrench or power tool, as this may lead to product damage or malfunction.

## FOOT POUND SETTINGS

1. Loosen the Lock Nut located at the end of the Handle.
2. COARSE SCALE ADJUSTMENT: Rotate the handle clockwise until the "0" mark on the Micrometer Scale meets the lowest setting (25 Ft/Lbs.) on the Main Scale. The vertical markings on the Micrometer Scale and Main Scale should align.

**NOTE:** This torque wrench will not measure torque below 25 Ft/Lbs.

3. FINE SCALE ADJUSTMENT: The Micrometer Scale is divided into 25 divisions. Each marking represents 1 Ft/Lb.
  - a. EXAMPLE SETTING: Increase the torque setting from 75 Ft/Lbs. to 90 Ft/Lbs.
    - i. Rotate the handle clockwise until the "0" marking on the Micrometer Scale is aligned with the Main Scale at 75 Ft/Lbs.
    - ii. Continue to rotate clockwise until the vertical marking "15" on the Micrometer Scale is aligned with the vertical line on the Main Scale.
    - iii. 75 Ft/Lbs. (Main Scale) + 15 Ft/Lbs. (Micrometer Scale) = 90 Ft/Lbs.
4. Tighten the Lock Nut.

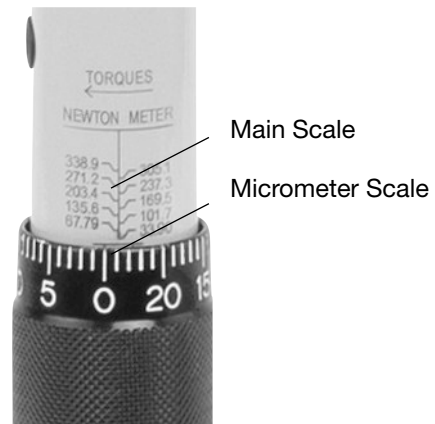


## NEWTON METER SETTINGS

1. Loosen the Lock Nut located at the end of the Handle.
2. COARSE SCALE ADJUSTMENT: Rotate the handle clockwise until the "0" mark on the Micrometer Scale meets the lowest setting 33.9 N•m on the Main Scale. The vertical markings on the Micrometer Scale and Main Scale should align.

**NOTE:** This torque wrench will not measure torque below 33.9 N•m.

3. FINE SCALE ADJUSTMENT: The Micrometer Scale is divided into 25 divisions. Each marking represents 1.35 N•m.
  - a. EXAMPLE SETTING: Increase the torque setting from 101.7 N•m to 128.8 N•m (approx.).
    - i. Rotate the handle clockwise until the "0" marking on the Micrometer Scale is aligned with the Main Scale at 101.7 N•m.
    - ii. Continue to rotate clockwise until the vertical marking "20" on the Micrometer Scale is aligned with the vertical line on the Main Scale. (20 x 1.35 N•m ≈ 27.1)
    - iii. 101.7 N•m (Main Scale) + 27.1 N•m (Micrometer Scale) ≈ 128.8 N•m
4. Tighten the Lock Nut.





# 1/2" DRIVE TORQUE WRENCH 25-250 FT/LBS.

## OPERATION INSTRUCTIONS

1. Apply the desired socket to the 1/2" square drive. Place the socket over the nut or bolt.
2. Set the ratcheting direction (torque is only measured in the clockwise direction).
3. Tighten the nut or bolt. As the bolt becomes tighter, slow the operation to a steady, smooth pace.

**NOTE:** Operating too quickly or abruptly may cause the operator to miss the exact torque setting.

4. When the desired torque setting is reached (see setting instructions above), the wrench will provide an audible "CLICK".

**NOTE:** The audible "CLICK" can be subtle at lower torque settings. Use in a quiet environment.

5. STOP tightening the nut or bolt immediately after the torque setting is reached.

**NOTE:** Overtightening the nut or bolt past the desired torque setting will damage the torque wrench.

**NOTE:** DO NOT use to loosen/break free stuck fasteners, as this will damage the torque wrench.

## STORAGE

1. Loosen the Lock Nut.
2. Rotate the handle counterclockwise until the "0" mark on the Micrometer Scale meets the lowest setting 25 Ft/Lbs. on the Main Scale.

**NOTE:** The torque wrench should not be set below the lowest torque setting.

3. Store in a clean, dry environment. DO NOT store near flammable items or open flames.

**NOTE:** After periods of non-use, operate the unit at the lowest torque setting to lubricate internal parts.

## MAINTENANCE

1. Clean the wrench after each use. Use a dry, clean cloth to clear any dirt, dust or debris.

**NOTE:** DO NOT submerge in any liquid or cleaning solution as this will damage the torque wrench.

2. This unit has no serviceable parts. If the unit does not appear to provide the correct torque reading (within the accuracy standards provided), contact customer service. The unit will need to be recalibrated.

**NOTE:** OEMTOOLS™ will not recalibrate wrenches that have been dropped or misused. OEMTOOLS™ will not cover shipping costs to service the unit.

**NOTE:** This torque wrench has no serviceable parts. DO NOT attempt to disassemble or perform repair.

## DISPOSAL

At the end of the useful life of the OEMTOOLS™ 25695 1/2" Drive Torque Wrench, dispose of the components in accordance with all federal, state and local regulations.



# 1/2" DRIVE TORQUE WRENCH 25-250 FT/LBS.

## TORQUE UNIT CONVERSION TABLE

FT/LBS.	IN/LBS.	N•m
25	300	33.9
30	360	40.7
35	420	47.5
40	480	54.2
45	540	61.0
50	600	67.8
55	660	74.6
60	720	81.3
65	780	88.1
70	840	94.9
75	900	101.7
80	960	108.5
85	1020	115.2
90	1080	122.0
95	1140	128.8
100	1200	135.6
105	1260	142.4
110	1320	149.1
115	1380	155.9
120	1440	162.7
125	1500	169.5
130	1560	176.3
135	1620	183.0
140	1680	189.8
145	1740	196.6
150	1800	203.4
155	1860	210.1
160	1920	216.9
165	1980	223.7
170	2040	230.5
175	2100	237.3
180	2160	244.0
185	2220	250.8
190	2280	257.6
195	2340	264.4
200	2400	271.2
205	2460	277.9
210	2520	284.7
215	2580	291.5
220	2640	298.3
225	2700	305.1
230	2760	311.8
235	2820	318.6
240	2880	325.4
245	2940	332.2
250	3000	339.0

N•m	FT/LBS.	IN/LBS.
30	22.1	265.3
40	29.5	353.8
50	36.9	442.2
60	44.2	530.6
70	51.6	619.1
80	59.0	707.5
90	66.3	796.0
100	73.7	884.4
110	81.1	972.8
120	88.4	1061.3
130	95.8	1149.7
140	103.2	1238.2
150	110.6	1326.6
160	117.9	1415.0
170	125.3	1503.5
180	132.7	1591.9
190	140.0	1680.4
200	147.4	1768.8
210	154.8	1857.2
220	162.1	1945.7
230	169.5	2034.1
240	176.9	2122.6
250	184.3	2211.0
260	191.6	2299.4
270	199.0	2387.9
280	206.4	2476.3
290	213.7	2564.8
300	221.1	2653.2
310	228.5	2741.6
320	235.8	2830.1
330	243.2	2918.5
340	250.6	3007.0

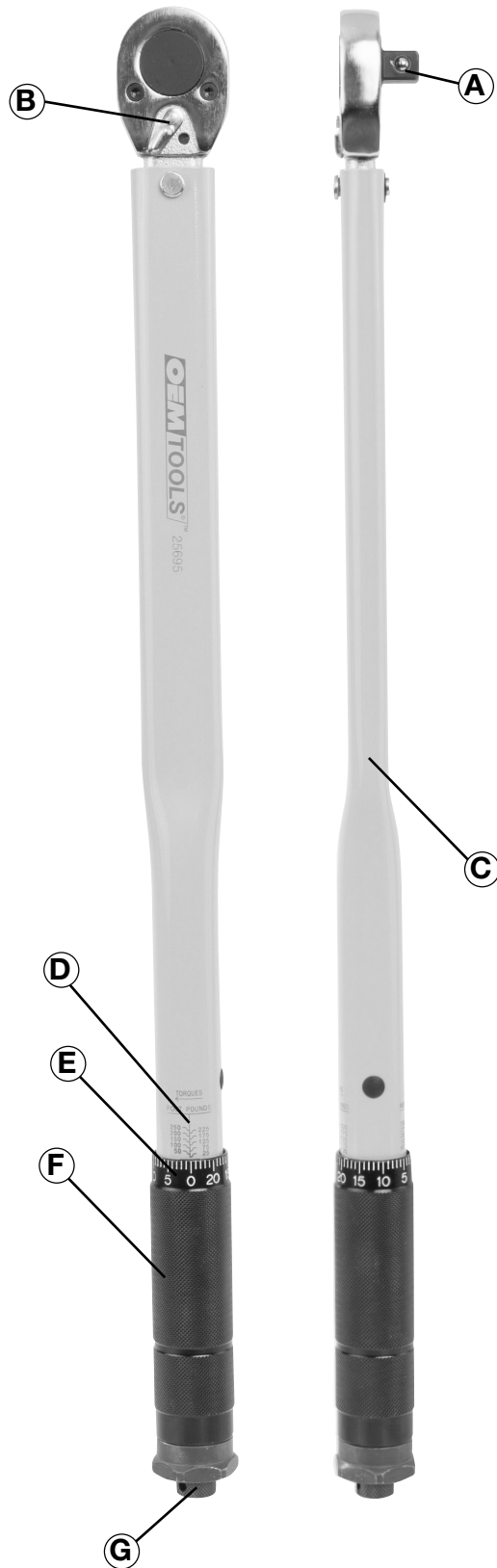
IN/LBS.	FT/LBS.	N•m
300	25.0	33.9
400	33.3	45.2
500	41.7	56.5
600	50.0	67.8
700	58.3	79.1
800	66.7	90.4
900	75.0	101.7
1000	83.3	113.0
1100	91.7	124.3
1200	100.0	135.6
1300	108.3	146.9
1400	116.7	158.2
1500	125.0	169.5
1600	133.3	180.8
1700	141.7	192.1
1800	150.0	203.4
1900	158.3	214.7
2000	166.7	226.0
2100	175.0	237.3
2200	183.3	248.6
2300	191.7	259.9
2400	200.0	271.2
2500	208.3	282.5
2600	216.7	293.8
2700	225.0	305.1
2800	233.3	316.4
2900	241.7	327.7
3000	250.0	339.0

CONVERSIONS		
1 FT/LBS.	1 IN/LBS.	1 N•m
12 IN/LBS.	0.0833 FT/LBS.	0.737 FT/LBS.
1.35 N•m	0.113 N•m	8.85 IN/LBS.
0.138 m/kg	0.0115 m/kg	0.102 m/kg
13.8 cm/kg	1.15 cm/kg	10.2 cm/kg



# 1/2" DRIVE TORQUE WRENCH 25-250 FT/LBS.

## PRODUCT LAYOUT



## PARTS DESCRIPTION

Figure	Description	Qty.
A	1/2" Square Drive	1
B	Directional Lever	1
C	Shaft	1
D	Main Scale	1
E	Micrometer Scale	1
F	Handle	1
G	Lock Nut	1





## 1/2" DRIVE TORQUE WRENCH 25-250 FT/LBS.

### OEMTOOLS™ 90 DAY Limited Warranty

For up to 90 days from the original purchase of this OEMTOOLS™ product, if you find any defect in material or workmanship (through normal usage), return it to the place of purchase or to OEMTOOLS™ for repair or replacement at our discretion. In order to obtain this service, send your tool and proof of purchase (transportation pre-paid) to:

OEMTOOLS™ Q.A. Dept., 3580 Raines Road #3, Memphis, TN 38118.

We will not be responsible for lost or damaged goods during transportation; please insure your package. If our inspection verifies the defect, we will either repair or replace the product, or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

OEMTOOLS™ does not provide warranty for products labeled other than OEM® or OEMTOOLS™. OEMTOOLS™ will not provide any warranty for products subjected to abnormal use. Abnormal use includes (but is not limited to) abuse, accident, alteration, neglect, and unauthorized or unreasonable use or repairs. This warranty does not cover bits, blades, files, batteries, or calibration. We recommend that you maintain your tools and sharpen or replace blades, bits, files, and batteries as necessary. OEMTOOLS™ reserves the right to make any changes in construction or design at any time without any obligation in incorporating such changes to tools or equipment previously sold.

OEMTOOLS™ makes every effort to ensure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear or to lack of maintenance.

We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Don't forget to register your new OEMTOOLS™ product at [www.oem-tools.com](http://www.oem-tools.com).

## CONTACT US

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