

Owner's Manual & Safety Instructions

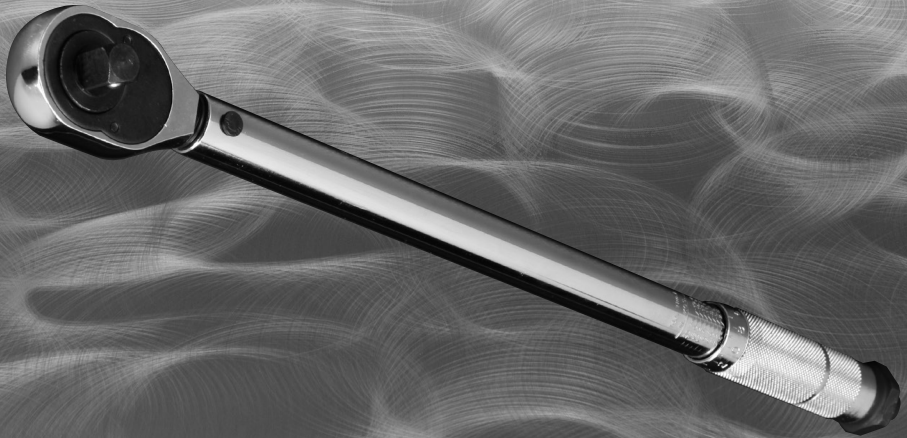
Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

21d

PITTSBURGH[®] PRO

63881

1/4" Drive Click-Type Torque Wrench



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When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠ WARNING

Read this material before using this product. Failure to do so can result in serious injury. **SAVE THIS MANUAL.**

Specifications

Torque Range	20 - 200 in-lb
Drive	1/4"
Accuracy	± 4%

Important Safety Information



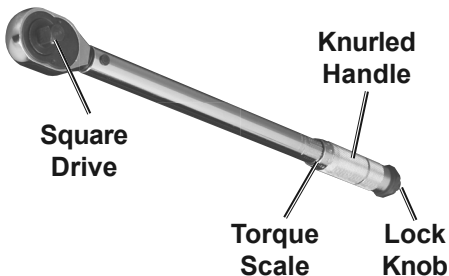
WARNING Read all safety warnings and instructions.

Failure to follow the warnings and instructions may result in injury.

Save all warnings and instructions for future reference.

1. The warnings, cautions, and instructions in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
2. Wear ANSI-approved safety goggles during use.
3. Do not use for loosening fasteners.
4. Use only within rated torque range.
5. Use as intended only. Do not use as hammer or pry bar.
6. Do not use handle extension to increase force. Do not use as a breaker bar.
7. Do not use a Torque Wrench that has been dropped. Have it tested before putting back into use.
8. Have the Torque Wrench calibrated and serviced only by a qualified technician.
9. Inspect before every use; do not use if damaged or if parts are loose.
10. Keep away from children.
11. Use only sockets with the correct drive and rated to at least the torque that will be applied to it.

Operating Instructions

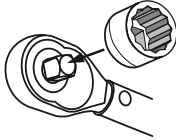


Note: The Torque Wrench is marked with Foot Pounds and Newton Meters (on opposite sides of Upper Handle). The following instructions illustrate use in Foot Pounds.

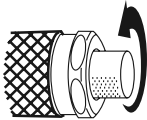
1. **BEFORE EVERY USE**, exercise Torque Wrench. Loosen Lock Knob (**see step 5 on page 3**), then perform the following exercise three times:
 - a. Turn Knurled Handle to the right until maximum torque setting is reached.
 - b. Turn handle to the left until minimum torque setting is reached.

CAUTION! Wear ANSI-approved safety goggles during use.

2. Refer to equipment manufacturer's instructions for torque value.
3. Clean the fastener's threads. Dirty threads may result in a misleading torque reading.
4. Select socket that properly fits the fastener. Press socket firmly onto Square Drive.

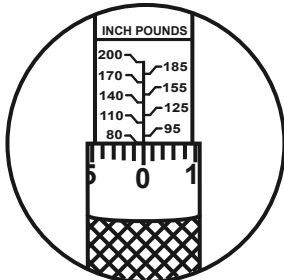


5. Loosen the Lock Knob by turning it counterclockwise until it stops.

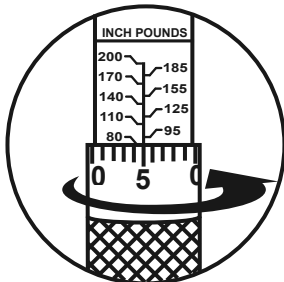


6. **To set torque value to 85:**

- a. Turn the Knurled Handle until top of handle lines up with bottom horizontal mark for 80 and 0 lines up with center line.

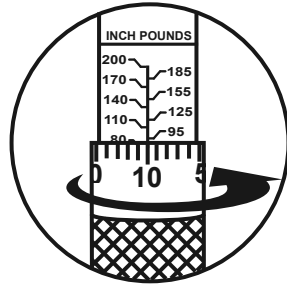


- b. Turn Knurled Handle until the 5 lines up with the center line. The torque value is set to 85 in.-lb. ($80 + 5 = 85$)



7. **To set torque value to 90:**

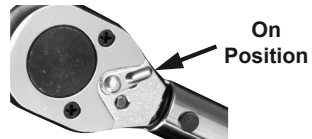
- a. Set torque value to 85 according to **step 6**.
- b. Turn Knurled Handle until the 10 lines up with the center line. ($80 + 10 = 90$)



8. Tighten the Lock Knob by turning it clockwise until it stops.

CAUTION! To prevent damage to the Torque Wrench, do not use for loosening fasteners.

9. Set Switch to ON position. the Torque Wrench can only measure torque during clockwise operation.



Note: Thread fastener with another tool until it is snug, then finish the operation with the Torque Wrench.

10. Place socket on fastener, then grasp the Knurled Handle and pull smoothly and slowly until the handle breaks away and a click is heard or felt. **STOP PULLING! The proper torque has been achieved. Further pulling may damage fastener.**

11. Release pressure to allow the handle to reset for the next operation.

12. AFTER EVERY USE, loosen the Lock Knob, set to the lowest torque setting, then tighten the Lock Knob.

13. Store Wrench inside its case, indoors, in a clean, dry location that is out of reach of children.

Maintenance and Servicing



Procedures not specifically explained in this manual must be performed only by a qualified technician.

CAUTION

TO PREVENT INJURY FROM TOOL FAILURE:

Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

- BEFORE EACH USE**, inspect the general condition of the tool. Check for:
 - loose hardware,
 - misalignment or binding of moving parts,
 - cracked or broken parts, and
 - any other condition that may affect its safe operation.
- AFTER EVERY USE:**
 - loosen the Lock Knob, set to the lowest torque setting, then tighten the Lock Knob.
 - wipe wrench with a clean cloth. Do not use liquid on the cloth or immerse wrench in liquid.
- EVERY 6 MONTHS**, have the Torque Wrench calibrated and serviced by a qualified technician.

Note: Replacement parts are not available. Reference UPC 193175429681.

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