Norbar Torque Tools

Insulated Adjustable Torque Wrench



Designed for working live or close to live parts at nominal voltages of up to 1 000 V AC and 1 500 V DC.

Operator Manual Part No. 34529 | Issue 3

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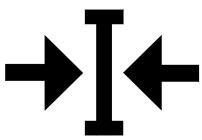
AVAILABLE LANGUAGES

Code	Language	Document Type	Definition
DE	Deutsch / German	Bedienungsan-leitung	Übersetzung der Originalanweisungen
EN	English	Operator Manual	Original Instructions
ES	Español / Spanish	Operator Manual	Traducción de las instrucciones originales
FR	Français / French	Manuel d'opérateur	Traduction des instructions originales
IT	Italiano / Italian	Manuale dell'operatore	Traduzione delle istruzioni originali

To access latest versions of all Norbar Operator Manuals including translations scan QR code.

PART NUMBERS COVERED

Capacity (N·m)		20	50	100	200
Part Number	3/8” square drive	130537	130505	130507	-
	1/2” square drive	-	130506	130508	130509
Length (mm)		294	369	409	491
Weight (kg)		0.7	0.8	1.0	1.4
Temperature range		-40 °C and +70 °C (Storage & Operating)			

Marking	Meaning
IEC 60900	Compatibility with IEC 60900:2018 Live working - Hand tools for use up to 1 000 V AC and 1 500 V DC.
 1 000	Double triangle symbol to signify suitable for live working. 1 000 V is electrical working limit for alternating current.
Category C	Tool intended for use at extremely low temperatures (down to -40 °C).
	Marking symbol for hand tools capable of being assembled and designed to be interchangeable between different manufacturers.
2025	Year of Manufacture.

SAFETY

Training:	Ensure user is trained in the use of insulated tools.
Inspection Before Use:	Ensure tool is clean and dry. Before each use visually inspect tool for damage. Damage may include: • Broken / cut insulation. • Loose insulation. • Marking readability. • Poor drive square retention in the wrench. • Poor socket retention on drive square. • Water ingress. Before use verify torque wrench operation outside of the live working zone.
Overload:	Do not overload the tool. If tool is overloaded: • Have tool inspected by a trained person. • Have tool checked for torque calibration.
Mechanical Damage:	If tool is dropped or impacted during use: • Have tool inspected by a trained person. • Have tool checked for torque calibration.

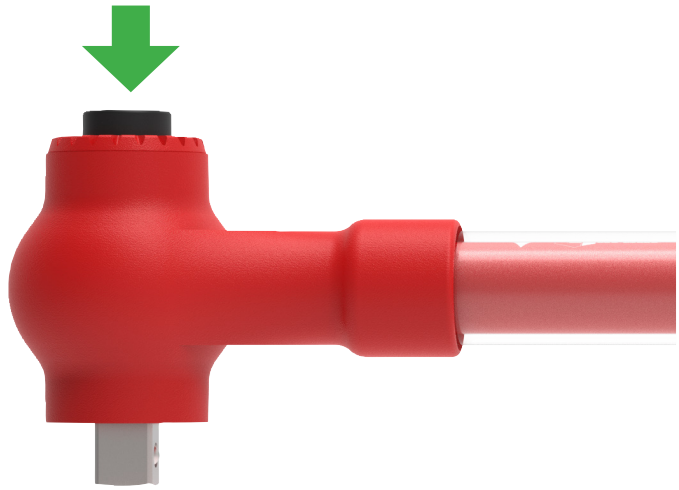
Maintenance:	The check period will depend on the wear and tear taking place in normal use and the frequency of use. A visual inspection by a suitable trained person is recommended at least every year. Refer to national regulations or customer specifications for any electrical retest. In case of doubt complete the dielectric test of IEC 60900. A torque recalibration is recommended at least every year to ISO 6789. Ensure tool is clean after each use and before being put into storage. To clean use a damp cloth - do not submerge in liquid.
Storage:	Wrench should be stored in such a way that it minimises the risk of damage to the insulation. Keep tool separated from other tools to avoid mechanical damage or confusion. Protect from excessive heat (for example heating or steam pipes). Protect from ultra-violet radiation.

Repair:	Tool repair should only be carried out by the manufacturer. After repair the dielectric test to IEC 60900 will be required. Recycling and disposal shall be processed in environmentally safe conditions.
Modification:	Do not modify the tool.
	If there is any doubt concerning the safety of the hand tool, it should either be scrapped or subjected to examination by a competent person and retested, if necessary.

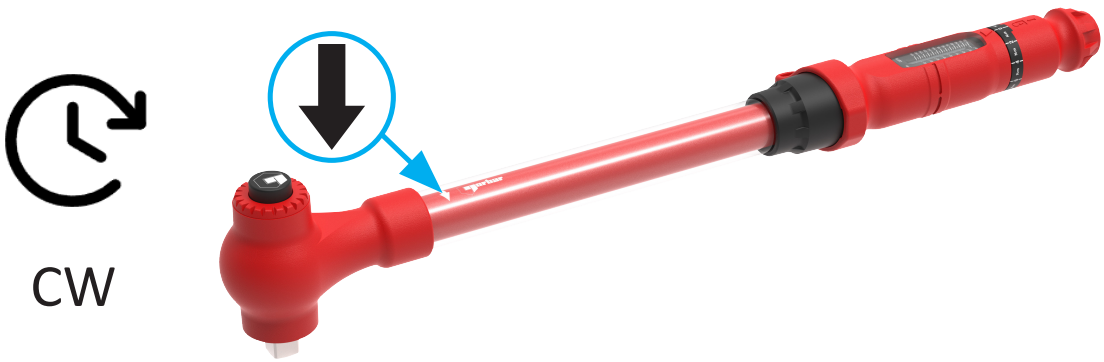
SET UP INSTRUCTIONS

1

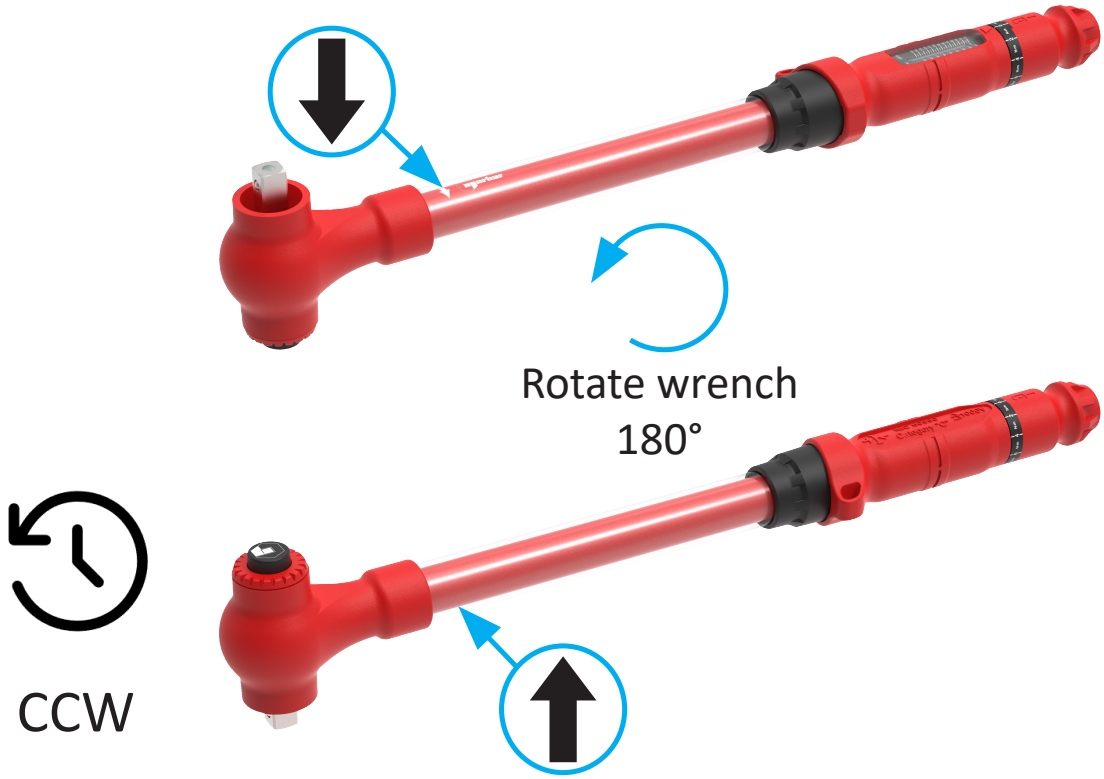
To change socket or remove square drive press button as shown



The wrench can be used for both clockwise and counter-clockwise operation. To use in the clockwise orientation ensure the wrench operates clockwise in the same direction as the arrow on the body tube.



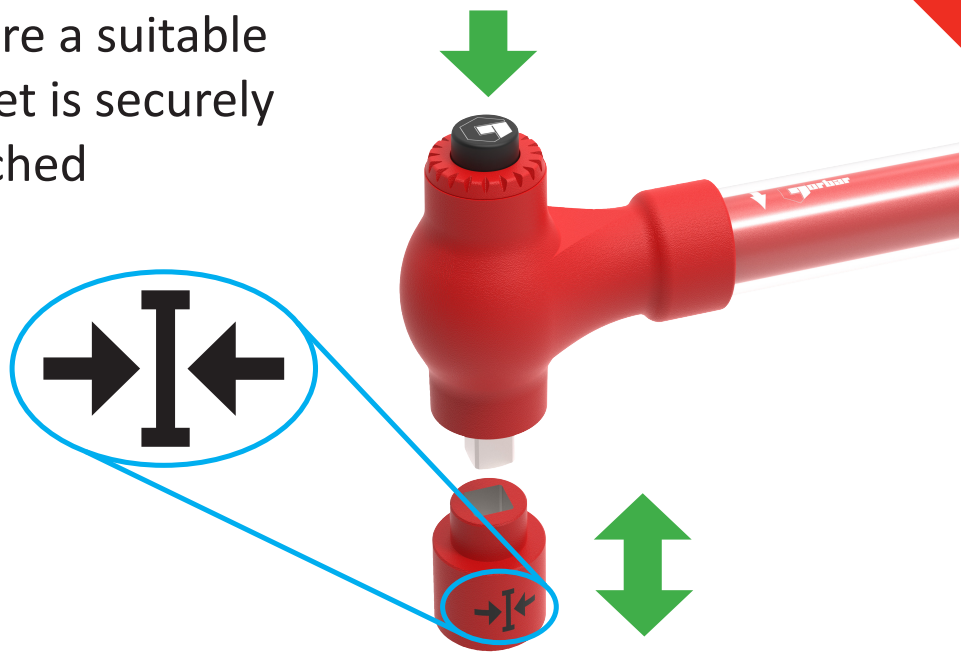
To set for counter-clockwise operation remove the square drive and replace on the opposite face of ratchet head. The wrench should now follow the arrow on the body tube in a counter-clockwise direction.



SET UP INSTRUCTIONS (continued)

3

Ensure a suitable socket is securely attached



IMPORTANT: **TO ASSURE THAT THE COMPLETE ASSEMBLY OF INSULATED HAND TOOL COMPONENTS FROM DIFFERENT MANUFACTURERS WILL WITHSTAND SEPARATING FORCES THAT ARE EXPECTED DURING THE INTENDED USE, PRIOR TO THE USE OF ANY ASSEMBLY THE USER SHALL ASSURE, BY PULLING BY HAND IN A SEPARATING DIRECTION, THAT THE RETAINING DEVICES OF ALL USED ELEMENTS ARE WORKING EFFICIENTLY.**

OPERATING INSTRUCTIONS

4

Unlock



5

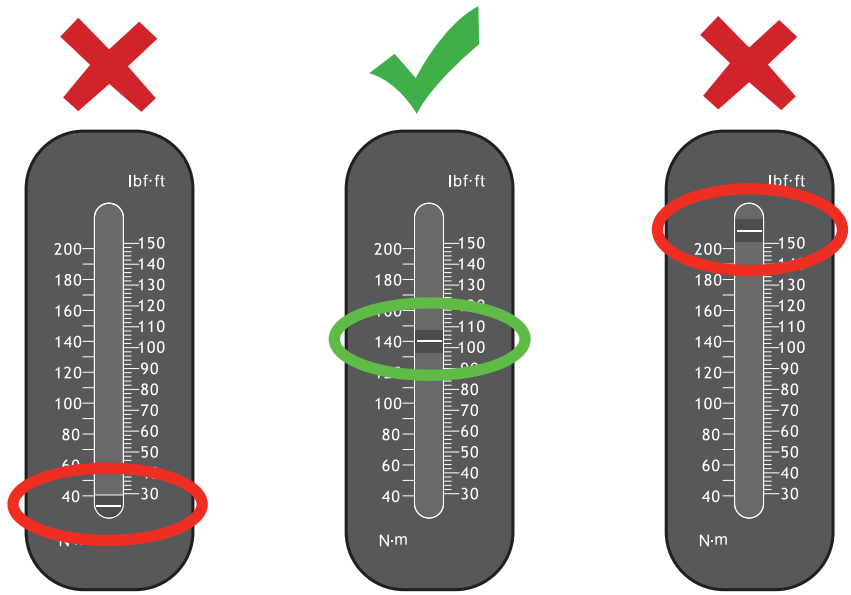
Turn knob to adjust



OPERATING INSTRUCTIONS (continued)

6

Never adjust beyond the marked scale



7

Micrometer is for primary unit (left) on scale

120 N·m



124 N·m



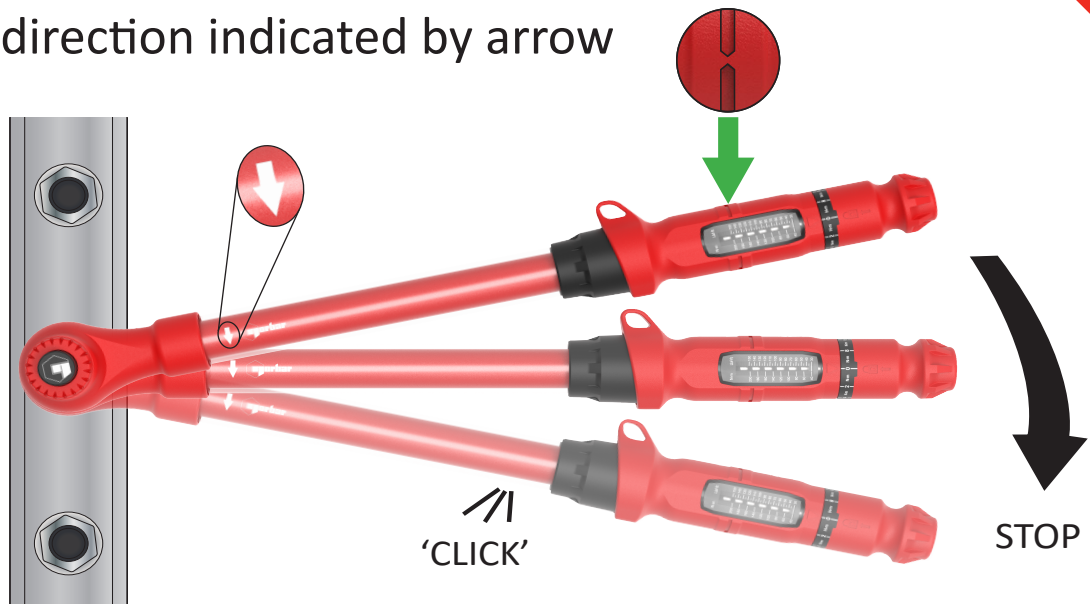
8

Lock



9

Pull smoothly from the marked ‘Load Point’ in direction indicated by arrow



NOTE: Clean and store tool after use.

To find your nearest Norbar company or authorised distributor, scan QR code.

When it is time for calibration or repair, please scan here

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