

GEDORE 3550-20 UK

GEDORE Torcoflex Torque Wrench Instruction Manual

MODEL: 3550-20 UK (40-200 Nm)

Manufactured by GEDORE

1. Introduction

This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your GEDORE Torcoflex Torque Wrench, Model 3550-20 UK. This precision instrument is designed for controlled clockwise tightening applications, ensuring accuracy and reliability in various tasks, particularly for assembling aluminum rims.

The GEDORE Torcoflex Torque Wrench is a robust tubular torque wrench featuring an integrated lever ratchet and a 1/2" square drive. It is classified to DIN EN ISO 6789:2017 Type II Class A, and comes with a traceable factory certificate, guaranteeing its working accuracy of +/- 3% tolerance of the scale set torque.

2. Safety Information

Always prioritize safety when operating any tool. Read and understand all safety warnings and instructions before using the torque wrench. Failure to do so may result in injury or damage to the tool or workpiece.

- **Personal Protective Equipment (PPE):** Always wear appropriate safety gear, including **safety glasses** and **protective gloves**, when operating the torque wrench.
- **Proper Use:** Use the torque wrench only for its intended purpose of controlled clockwise tightening. Do not use it as a breaker bar or for loosening fasteners.
- **Calibration:** This tool is a precision instrument. Do not attempt to repair or recalibrate it yourself. Refer to the maintenance section for calibration guidelines.
- **Storage:** Store the torque wrench in a clean, dry place, protected from dust and moisture. Always set the torque to the lowest setting (but not below the minimum specified torque) before storage to relieve spring tension.
- **Inspection:** Before each use, inspect the wrench for any signs of damage, wear, or malfunction. Do not use a damaged tool.

For detailed safety information and additional warnings, please refer to the official GEDORE safety documentation available at: [GEDORE Safety Information](#)

1x	Code-No. 2958058	Model-No. 3550-20 UK	GEDORE
Drehmomentschl. TORCOFLEX UK 40-200 Nm			GEDORE Werkzeugfabrik GmbH & Co. KG Remscheider Str. 149 42899 Remscheid, Germany
Torque wrench TORCOFLEX UK 40-200 Nm			www.gedore.com service@gedore.com
		 IT: Raccolta Plastica	
			 Safety- information
Made in Germany			 4 002805 935569

Product label displaying safety pictograms for personal protective equipment (gloves and eye protection) and recycling information.

3. Product Description and Features

The GEDORE Torcoflex Torque Wrench 3550-20 UK is engineered for precision and durability. Its design incorporates a robust tubular body and a comfortable handle for ergonomic use.

- **Torque Range:** 40-200 Nm (Newton meters)
- **Drive Size:** 1/2" Square Drive with ball bearing safety (DIN 3120/A 12.5, ISO 1174)
- **Accuracy:** +/- 3% tolerance of the set scale value, with a traceable factory certificate.
- **Ratchet Mechanism:** Integrated lever switch ratchet function with 48 teeth, yielding a 7.5-degree return angle for precise operation in confined spaces.
- **Scale:** Vernier scale with 1 Nm resolution, visible under a viewing window with a magnifying effect for easy and accurate reading.
- **Length:** Approximately 500 mm (19.7 inches).
- **Material:** Durable Aluminium construction.



The GEDORE Torcoflex Torque Wrench, Model 3550-20 UK, showcasing its full length and reversible ratchet head.



Side view of the torque wrench, highlighting its robust tubular construction.

4. Setup

Before first use, and periodically thereafter, ensure the wrench is ready for operation.

1. **Unpacking:** Carefully remove the torque wrench from its packaging. Inspect for any visible damage that may have occurred during transit.

2. **Initial Inspection:** Check that the square drive is clean and free from debris. Ensure the adjustment mechanism moves smoothly.
3. **Understanding the Scale:** Familiarize yourself with the main scale and the vernier scale. The main scale indicates major torque values, while the vernier scale allows for fine adjustments and precise readings down to 1 Nm.
4. **Attachment:** Select the appropriate 1/2" drive socket or attachment for your application and securely attach it to the square drive of the wrench.



Close-up of the wrench's scale, showing the vernier for precise torque setting.

5. Operating Instructions

Follow these steps for accurate torque application:

1. **Set the Desired Torque:**
 - Locate the adjustment knob at the end of the handle.
 - Rotate the handle to align the desired torque value on the main scale with the indicator line.
 - Use the vernier scale to fine-tune the setting to the exact 1 Nm increment required. Ensure the setting is locked if your model has a locking mechanism (refer to specific product diagrams).
2. **Select Ratchet Direction:** Use the lever on the ratchet head to select the clockwise tightening direction. This wrench is designed for controlled clockwise tightening only.
3. **Apply Torque:**
 - Place the socket firmly onto the fastener.
 - Apply steady, increasing force to the handle in a smooth motion. Do not jerk or apply sudden force.
 - Continue applying force until you feel and hear a distinct "click" from the wrench. This indicates that the preset torque has been reached.
4. **Release Force:** Immediately stop applying force once the click is felt/heard. Do not continue to tighten the fastener beyond the click.
5. **Reset for Next Use:** After each use, release the tension on the spring by rotating the handle back to the lowest torque setting (but not below the minimum specified torque) before storing the wrench.

6. Maintenance

Proper maintenance ensures the longevity and accuracy of your torque wrench.

- **Cleaning:** After each use, wipe the wrench clean with a soft, dry cloth. Do not use abrasive cleaners or solvents that could damage the finish or internal components.
- **Lubrication:** The internal mechanism is factory-lubricated. Do not attempt to lubricate the internal parts yourself unless specifically instructed by GEDORE.
- **Storage:** Store the torque wrench in its protective case or a suitable dry environment. Always set the torque to the lowest setting (but not below the minimum specified torque) before storage to relieve spring tension and maintain calibration accuracy.
- **Calibration:** Torque wrenches are precision instruments that require periodic calibration to maintain their

accuracy. It is recommended to have your GEDORE Torcoflex Torque Wrench recalibrated by an authorized service center at least once a year, or more frequently if used heavily or subjected to harsh conditions.

7. Troubleshooting

If you encounter issues with your torque wrench, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Wrench does not click at set torque.	Torque setting too low; improper grip; worn mechanism.	Ensure torque is set correctly. Apply steady, smooth force. If problem persists, seek professional calibration/repair.
Inaccurate torque readings.	Out of calibration; improper use (e.g., dropping the wrench).	Have the wrench professionally recalibrated. Handle with care to avoid impacts.
Adjustment mechanism is stiff or stuck.	Dirt/debris; lack of lubrication; damage.	Clean the wrench thoroughly. Do not force adjustment. If stuck, contact service.

If the issue cannot be resolved using the above table, please contact GEDORE customer support or an authorized service center.

8. Specifications

Specification	Value
Model Number	3550-20 UK
Brand	GEDORE
Torque Range	40-200 Nm
Drive Size	1/2 Inch (Square Drive)
Accuracy	+/- 3% tolerance of set scale value
Ratchet Teeth	48 teeth
Return Angle	7.5 degrees
Resolution	1 Nm (Vernier scale)
Length	500 mm
Material	Aluminium
Item Weight	1.52 Kilograms (3.34 pounds)
Finish Type	Powder Coated
Measurement System	Metric
GTIN	04002805935569

Specification	Value
Date First Available	January 8, 2016

9. Warranty and Support

GEDORE products are manufactured to high quality standards. For information regarding warranty coverage, please refer to the warranty policy provided at the time of purchase or visit the official GEDORE website.

For technical support, service, or calibration inquiries, please contact GEDORE directly:

- **Official Website:** www.gedore.com
- **Email Support:** service@gedore.com
- **GEDORE Store on Amazon:** [Visit the GEDORE Store](#)

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