## GUNSON G4008

# GUNSON G4008 Trakrite Wheel Alignment Gauge User Manual

Model: G4008 | Brand: GUNSON

## Introduction

The GUNSON G4008 Trakrite Wheel Alignment Gauge is a precision instrument designed to accurately check the wheel alignment (toe-in/toe-out) of cars and light commercial vehicles. This manual provides essential instructions for the proper setup, operation, and maintenance of your Trakrite gauge to ensure accurate readings and prolong its lifespan.

## Safety Information

- Always ensure the vehicle is on a flat, level, and grit-free surface before using the Trakrite gauge.
- Exercise caution when driving the vehicle over the gauge. Drive slowly and steadily.
- Ensure tires are inflated to the correct pressure as specified by the vehicle manufacturer before performing any alignment checks.
- Do not exceed the maximum wheel load capacity of 1 tonne per wheel for the Trakrite gauge.

## Setup and Preparation

1. **Inspect the Gauge:** Before each use, check that the top plate of the Trakrite gauge moves freely. Ensure there are no obstructions or damage.
2. **Prepare the Surface:** Position the Trakrite gauge on a firm, flat, and grit-free level floor. Any unevenness or debris can affect accuracy.
3. **Tire Pressure:** Verify that the vehicle's tires are inflated to the correct pressure as recommended by the vehicle manufacturer. Incorrect tire pressure can lead to inaccurate alignment readings.
4. **Zero the Pointer:** Always set the pointer on the Trakrite gauge to zero before starting the alignment check.


Figure 1: The Trakrite gauge showing key setup instructions printed on its surface. These include checking plate movement, ensuring correct tire pressure, using a grit-free floor, and zeroing the pointer.

## Operating Instructions

The Trakrite gauge is designed for simple and quick wheel alignment checks. Follow these steps for accurate results:

1. **Position the Gauge:** Place the Trakrite gauge directly in front of one of the vehicle's front wheels. Ensure the gauge is centered relative to the wheel.
2. **Drive Over:** With the vehicle's wheels in their straight-ahead position, slowly and steadily drive the front wheel over the Trakrite gauge. The gauge is a roller bearing platform, allowing the wheel to pass over it smoothly.
3. **Observe the Reading:** As the wheel passes over, the pointer on the gauge will indicate the toe-in or toe-out measurement. The reading is taken when the wheel is fully on the gauge and the pointer has settled.
4. **Interpret Results:**
    - A reading of '0' indicates perfect alignment.
    - Readings to the left of '0' indicate toe-out.
    - Readings to the right of '0' indicate toe-in.
    - The gauge typically shows acceptable alignment limits. Refer to your vehicle's specifications for precise alignment tolerances.
5. **Repeat for Other Wheel:** Repeat the process for the other front wheel to get a complete alignment picture.


Figure 2: A vehicle's front wheel positioned on the Trakrite gauge, ready for an alignment check. The gauge is placed directly in the path of the wheel.


Figure 3: The Trakrite gauge being used with a classic car, demonstrating its versatility across different vehicle types. The wheel is centered over the gauge for an accurate reading.

## Maintenance and Care

- **Cleaning:** After each use, clean the Trakrite gauge to remove any dirt, dust, or debris. Use a soft cloth and mild cleaning solution if necessary. Ensure the roller bearing platform is free of grit.
- **Storage:** Store the gauge in a dry, clean environment, away from extreme temperatures and direct sunlight.
- **Inspection:** Periodically inspect the gauge for any signs of wear or damage, especially the moving parts and the pointer mechanism.

- **Handling:** Handle the gauge with care. While designed for durability, rough handling can affect its calibration and functionality.

## Troubleshooting

- **Inaccurate Readings:**
  - Ensure the gauge is on a perfectly flat and level surface.
  - Check that tires are correctly inflated.
  - Verify the pointer was zeroed before use.
  - Ensure the top plate moves freely and is not obstructed by debris.
- **Pointer Not Moving Freely:**
  - Inspect for any foreign objects or grit lodged in the mechanism. Clean thoroughly.
  - Check for physical damage to the pointer or its pivot.
- **Gauge Disassembly:** The Trakrite gauge is designed with precision components. Avoid unnecessary disassembly. If parts become dislodged, carefully reassemble according to the internal design, ensuring the pointer mechanism functions correctly.

## Specifications

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| **Model** | G4008 |
| **Brand** | GUNSON |
| **Item Weight** | 0.5 Kilograms (1.1 pounds) |
| **Product Dimensions (L x W x H)** | 18.5 x 6.89 x 0.79 inches (470mm x 175mm x 20mm) |
| **Maximum Wheel Load** | 1 tonne per wheel |
| **Manufacturer** | Tool Connection (EU) |

## Support and Contact

For technical assistance, spare parts, or further information regarding your GUNSON G4008 Trakrite Wheel Alignment Gauge, please contact the manufacturer:
**Manufacturer:** Tool Connection (EU)
Refer to the product packaging or the official GUNSON website for the most current contact details and support resources.