



Step by Step guide for safe & accurate use of the Milenco Ball Weight Gauge

1. Park your caravan on flat even ground: this is required for both safety & accuracy of the scale readings.
2. Chock the caravan wheels front & rear.
3. Measure travel height of the hitch with van **fully loaded** & connected to tow vehicle.
4. Apply the caravan handbrake securely.
5. Unhitch the caravan, then adjust hitch height back to measured 'travel height' with the jockey wheel.
6. Place the Milenco ball weight gauge under the hitch of the caravan, ensuring it engages into the hitch (ball or DO35/45) and is on solid flat ground.

NOTE: If using a DO35/45 hitch you must remove the black plastic 'tip' from the Milenco ball weight gauge – this will allow secure location of the gauge metal pin into the hitch to prevent movement.

7. Slowly wind up your jockey wheel so the weight is loaded onto the Milenco ball weight gauge.

NOTE: While winding up the jockey wheel pay careful attention for any sideways movement on the gauge, if movement occurs stop winding immediately and take ALL weight off scales with the jockey wheel.

8. Check the loaded weight indicated on the ball weight gauge and make a note, then wind jockey wheel back down to take all weight off the ball weight gauge.

NOTE: NEVER attempt to change caravan loading while positioned on the gauge – Always make adjustments when caravan is positioned on the jockey wheel or vehicle, then re-check tow ball weight following the necessary steps



Importance of using Milenco Ball Weight Gauge

Tow ball weight, or Tow Ball Mass (TBM) is a term that's being spoken about more often these days, and for good reason. Understanding how it works, how to measure it and what is acceptable is critical for safe towing.

You don't need to know it to the exact kilogram, but having an idea/accurate guide will ensure safer travel, operating within vehicle limitations, staying legal for insurance purposes and reduced chance of things going wrong.

This is especially the case if you are operating close to the limit of your vehicles towing or weight capacities, or if you are loading the trailer and vehicle up differently each time you travel

We **highly** recommend getting the entire caravan & tow vehicle professionally weighed to ensure **all** weights are within legal limits

- Provides a guideline weight measurement that will be directly attached to the tow vehicle.
- Can be used to calculate the effect towing the caravan has on tow vehicle. GVM (towball weight must be subtracted from vehicle payload / included in GVM).
- Towball weight should be approximately 9-11% of the Caravan loaded weight to ensure safe towing conditions.
- Provides information on the effect change of caravan 'loading' can have on safe towing/balance.



Compliance, Safety and Liability Notice

This product is designed to provide an indicative measurement of tow ball mass and must be used in accordance with the procedures outlined in this guide. Users are responsible for ensuring their setup complies with all applicable vehicle manufacturer specifications and road regulations.

- This product does not replace certified weighing equipment, professional assessment of towing setup or weighbridge validation.
- Users are responsible for ensuring all vehicle and trailer weights, including TBM (Tow Ball Mass), ATM (Aggregate Trailer Mass), GTM (Gross Trailer Mass), and GVM (Gross Vehicle Mass), comply with manufacturer specifications and applicable road regulations.
- Exercise caution throughout all stages of use. Sudden changes in load or unstable configurations may present a risk of injury.
- Stay clear of the gauge while it is under load and ensure stability both before and during measurement.
- Before each use, check the gauge for wear, damage, or mechanical problems that could affect accuracy or safety.

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