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Milenco MOV9983317

Milenco 2691 Calibrated Nose Weight Gauge User Manual

Model: MOV9983317

1. Introduction

This manual provides essential information for the safe and effective use of your Milenco 2691 Calibrated Nose Weight Gauge. This precision instrument is designed to accurately measure the nose weight of your caravan or trailer, ensuring optimal stability and safety during towing. It conforms to the British Standard BS7961:2004 for nose weight gauges. Proper nose weight is critical for safe towing. Too little nose weight can cause instability and snaking, while too much can overload the towing vehicle's rear axle. Always refer to your vehicle and caravan/trailer manufacturer's recommendations for the correct nose weight range.

2. Safety Information

- Always ensure the gauge is placed on a firm, level surface before taking a measurement.
- Do not exceed the maximum rated capacity of 130 kg (approximately 286 lbs). Overloading the gauge can cause damage and inaccurate readings.
- Keep hands and feet clear of the coupling area when lowering the caravan/trailer onto the gauge.
- Store the gauge in a clean, dry place away from extreme temperatures.
- Regularly inspect the gauge for any signs of damage or wear. Do not use if damaged.

3. Product Overview



This image displays the Milenco 2691 Calibrated Nose Weight Gauge, a cylindrical device with a telescopic upper section. The upper section features a clear scale marked in kilograms, ranging from 20 kg to 130 kg, with an 'OVERLOAD' indicator at the top. The main body of the gauge is silver-colored and prominently displays the 'MILENCO' brand name, along with text indicating 'PRECISION CALIBRATED NOSEWEIGHT GAUGE TO BS7961: 2004' and '20 TO 130kg'. It also notes an 'OPERATING HEIGHT RANGE 353mm TO 474mm' and advises to 'REFER TO USER INSTRUCTIONS BEFORE USE'. A calibration date of 'FEBRUARY 2013' is also visible. The base is a flat, circular disc for stability.

The Milenco Nose Weight Gauge is a robust, calibrated instrument designed for accurate measurement. It features a clear, easy-to-read scale in kilograms, with an operating height range of 353mm to 474mm.

4. Setup

1. **Unpack the Gauge:** Carefully remove the nose weight gauge from its packaging.
2. **Inspect for Damage:** Before first use, visually inspect the gauge for any signs of damage incurred during transit.
3. **Prepare the Surface:** Ensure the ground where you intend to take the measurement is firm, flat, and level. Uneven surfaces can lead to inaccurate readings.
4. **Position the Gauge:** Place the base of the gauge directly under the caravan or trailer hitch.

5. Operating Instructions

1. **Lower the Hitch:** Slowly lower the caravan or trailer hitch onto the top of the nose weight gauge. Ensure the hitch is centered on the gauge to distribute the weight evenly.
2. **Read the Measurement:** Once the full weight of the hitch is resting on the gauge, read the measurement indicated on the scale. The scale is marked in kilograms (kg).
3. **Note the Reading:** Record the nose weight reading. Compare this reading to the recommended nose weight range specified by your caravan/trailer and towing vehicle manufacturers.
4. **Adjust if Necessary:** If the nose weight is outside the recommended range, adjust the loading of your caravan or trailer by repositioning items inside. Re-measure the nose weight after each adjustment until it falls within the safe operating limits.
5. **Remove the Gauge:** Once the desired nose weight is achieved, carefully raise the hitch and remove the gauge.

Understanding the Scale

The gauge provides readings in kilograms (kg). The scale ranges from 20 kg to 130 kg. An 'OVERLOAD' indicator is present at the top of the scale. If your reading approaches or exceeds 130 kg, you must reduce the nose weight to prevent damage to the gauge and ensure safe towing.
For conversion to pounds (lbs), use the approximate conversion factor: 1 kg ≈ 2.20462 lbs.

6. Maintenance

- **Cleaning:** Wipe the gauge clean with a soft, damp cloth after each use. Avoid abrasive cleaners or solvents.
- **Storage:** Store the gauge in its original packaging or a protective case in a dry environment, away from direct sunlight and extreme temperatures.
- **Calibration:** As a precision instrument, periodic re-calibration may be required to maintain accuracy. Refer to the manufacturer's recommendations or a qualified service center for calibration services. The gauge itself indicates a calibration due date (e.g., February 2013 on the example image), which serves as a reminder for potential re-calibration.

7. Troubleshooting

- **Inaccurate Readings:**
  - Ensure the gauge is on a level, firm surface.
  - Verify the hitch is centered on the gauge.
  - Check if the gauge is damaged or requires re-calibration.
- **Gauge Not Extending/Retracting Smoothly:**
  - Check for any obstructions or debris.
  - Ensure the gauge is clean and free of dirt.
- **Overload Indication:**

- If the gauge indicates 'OVERLOAD', the nose weight exceeds the gauge's capacity. Immediately reduce the nose weight by adjusting the load in your caravan/trailer.

8. Specifications

Feature	Specification
Brand	Milenco
Model Number	MOV9983317 (Conforms to BS7961)
Load Capacity	20 kg to 130 kg (approx. 44 lbs to 286 lbs)
Operating Height Range	353 mm to 474 mm (approx. 13.9 inches to 18.7 inches)
Item Dimensions (L x W x H)	21.65 x 10.63 x 7.48 inches
Color	Silver

9. Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official Milenco website. Keep your proof of purchase for any warranty claims.
For technical assistance or inquiries not covered in this manual, please contact Milenco customer service through their official channels.

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