

[Manuals.plus](#) /

› [Jamar](#) /

› Jamar Hydraulic Pinch Gauge Model 52603 User Manual

Jamar 52603

Jamar Hydraulic Pinch Gauge User Manual

Model: 52603

1. INTRODUCTION

The Jamar Hydraulic Pinch Gauge is a precision instrument designed for the routine screening and evaluation of pinch strength. It is utilized by healthcare professionals to assess hand and finger strength in patients with trauma or dysfunction. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your device.



Figure 1: Jamar Hydraulic Pinch Gauge. This image shows the complete pinch gauge with its dual scale for measuring force.

2. SETUP

2.1 Unpacking

Carefully remove the Jamar Hydraulic Pinch Gauge from its packaging. Verify that all components are present:

- Jamar Hydraulic Pinch Gauge
- Carrying/Storage Case
- Certificate of Calibration

- Instruction Booklet (this manual)

2.2 Initial Inspection

Before first use, inspect the gauge for any visible damage. Ensure the needle rests at the zero mark. If the needle does not zero out, refer to the Troubleshooting section.

3. OPERATING INSTRUCTIONS

3.1 Preparing for Measurement

The unique design of the Jamar Pinch Gauge allows the therapist to support the weight of the gauge, freeing the client to perform a true pinch pattern without the added burden of supporting the instrument's weight.

3.2 Performing a Pinch Test

Follow these steps to accurately measure pinch strength:

1. **Position the Client:** Ensure the client is seated comfortably with their forearm supported, wrist in a neutral position.
2. **Hold the Gauge:** The therapist should hold the gauge firmly, ensuring the client can focus solely on applying pinch force.
3. **Instruct the Client:** Ask the client to apply maximum pinch force using the desired pinch pattern (e.g., tip pinch, key pinch, palmar pinch).
4. **Observe the Needle:** The peak hold needle will retain the highest reading achieved during the pinch.
5. **Record the Reading:** Note the value indicated by the peak hold needle.
6. **Reset the Needle:** After recording, manually reset the peak hold needle to zero for the next measurement.

3.3 Reading the Scale

The gauge features a dual scale, allowing measurements to be read in both pounds (lbs) and kilograms (kg). The maximum capacity of the gauge is 45 lbs (approximately 20 kg).

4. MAINTENANCE

4.1 Cleaning

The Jamar Pinch Gauge is made from non-latex materials. To clean, wipe the surface with a damp cloth and a mild disinfectant. Do not immerse the gauge in liquid.

4.2 Storage

When not in use, store the pinch gauge in its provided carrying case to protect it from dust, moisture, and physical damage. Store in a cool, dry place.

4.3 Calibration

Your Jamar Pinch Gauge comes with a Certificate of Calibration. For continued accuracy, periodic re-calibration by a qualified service center is recommended. Consult your local regulations or professional guidelines for recommended calibration intervals.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Jamar Hydraulic Pinch Gauge.

- **Issue: Needle does not return to zero.**

Solution: Gently tap the gauge or manually adjust the needle if possible. If the issue persists, the gauge may require re-

calibration or service. Refer to the Warranty and Support section.

- **Issue: Inconsistent readings.**

Solution: Ensure consistent client positioning and pinch technique. Verify that the therapist is supporting the gauge consistently. If readings remain inconsistent, the gauge may require professional inspection.

- **Issue: Gauge appears damaged.**

Solution: Discontinue use immediately. Contact customer support for assistance.

6. SPECIFICATIONS

Feature	Specification
Model Number	52603
Item Weight	15.7 ounces
Measurement Range	Up to 45 lbs (approx. 20 kg)
Measurement Units	Pounds (lbs) and Kilograms (kg)
Material	Non-latex
Included Items	Pinch Gauge, Carrying Case, Calibration Certificate

7. WARRANTY INFORMATION

The Jamar Hydraulic Pinch Gauge comes with a one-year warranty from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please refer to the documentation included with your product or contact Jamar customer support.

8. CUSTOMER SUPPORT

For technical assistance, service, or inquiries regarding your Jamar Hydraulic Pinch Gauge, please contact Jamar customer support. Contact information can typically be found on the product packaging or the official Jamar website. When contacting support, please have your model number (52603) and purchase details ready.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details.](#)

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question