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Mark-10 G1015-3

Mark-10 G1015-3 Film and Paper Grip User Manual

Model: G1015-3

1. INTRODUCTION

The Mark-10 G1015-3 Film and Paper Grip is designed for securely holding various thin materials such as film, paper, labels, and packaging during tensile and peel testing applications. Its adjustable serrated interlocking jaws ensure a firm grip on the sample, providing reliable and repeatable test results. This manual provides essential information for the safe and effective use of your G1015-3 grip.

2. SAFETY INFORMATION

Always read and understand all instructions before operating the grip. Failure to follow safety precautions may result in injury or damage to the equipment.

- Ensure the grip is securely attached to the force gauge or test stand before use.
- Do not exceed the maximum force capacity of the grip or the associated testing equipment.
- Keep hands and fingers clear of the gripping jaws during operation to prevent pinching.
- Inspect the grip for any signs of damage or wear before each use. Do not use damaged equipment.
- Use appropriate personal protective equipment (PPE) as required by your testing environment.

3. PACKAGE CONTENTS

Upon unpacking, verify that the following items are present:

- Mark-10 G1015-3 Film and Paper Grip (Quantity: 1)
- This instruction manual

If any items are missing or damaged, please contact your supplier immediately.

4. SETUP

Follow these steps to set up your G1015-3 grip:

1. **Attachment to Force Gauge/Test Stand:** The G1015-3 grip features a 10-32F thread. Carefully screw the

grip onto the corresponding male thread of your force gauge or test stand. Ensure it is tightened securely by hand. Do not overtighten.

2. **Jaw Adjustment:** The grip features adjustable serrated interlocking jaws. To open or close the jaws, locate the adjustment mechanism (typically a knob or lever). Rotate or move the mechanism to achieve the desired jaw opening for your sample material.

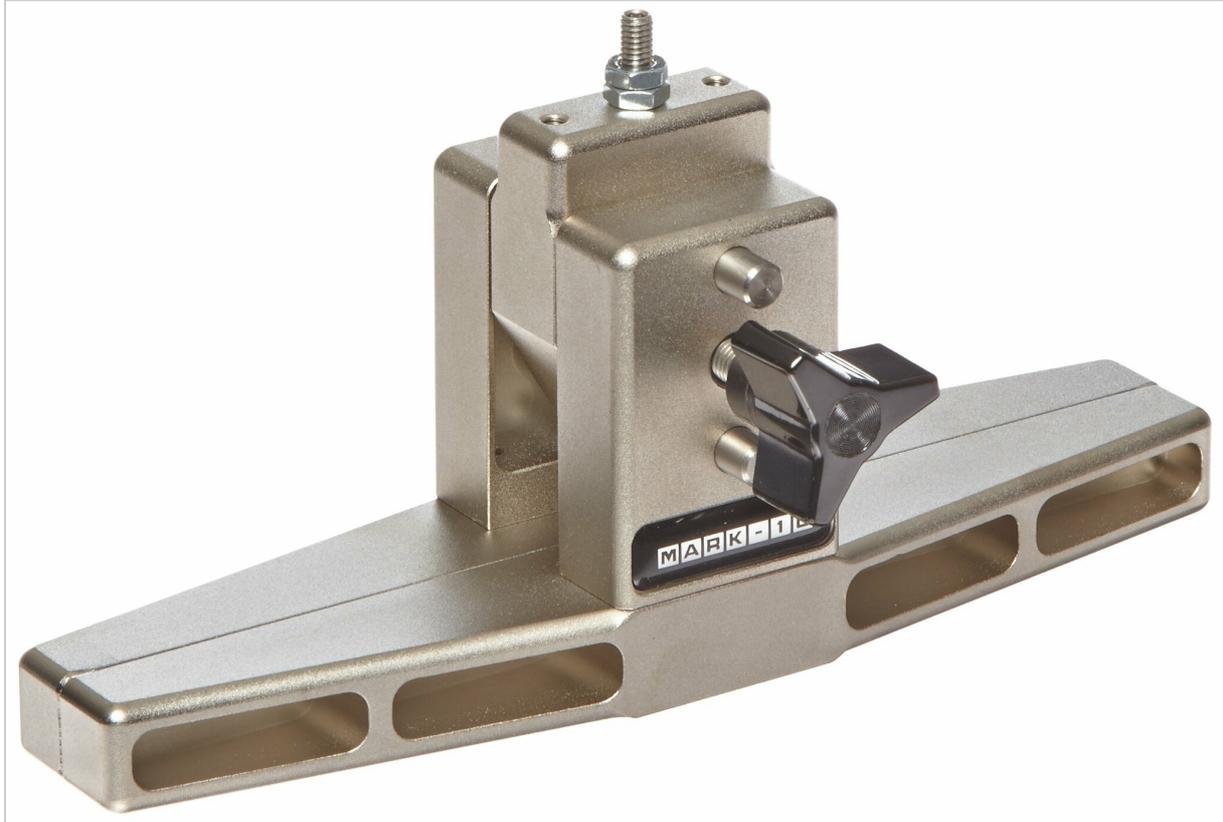


Figure 1: Mark-10 G1015-3 Film and Paper Grip. This image shows the grip's main body and its serrated jaws, ready for attachment to a testing system.

5. OPERATING INSTRUCTIONS

To perform a test using the G1015-3 grip:

1. **Prepare Sample:** Cut your film, paper, or other thin material to the appropriate dimensions for your test.
2. **Open Jaws:** Adjust the grip to open the serrated jaws sufficiently to insert your sample.
3. **Insert Sample:** Carefully insert the sample material between the jaws, ensuring it is centered and aligned properly.
4. **Secure Sample:** Close the jaws firmly onto the sample. The serrated interlocking design provides a secure, non-slip grip. Ensure the sample is held without damage or slippage.
5. **Perform Test:** Proceed with your tensile or peel test according to the instructions of your force gauge or test stand.
6. **Remove Sample:** After the test, open the jaws and carefully remove the tested sample.

6. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your grip:

- **Cleaning:** After each use, especially when testing materials that may leave residue, clean the jaws and body of the grip with a soft, dry cloth. For stubborn residues, a mild, non-abrasive cleaner can be used sparingly, ensuring no liquid enters internal mechanisms.

- **Inspection:** Regularly inspect the serrated surfaces of the jaws for wear, damage, or accumulation of material. Worn jaws may affect gripping performance.
- **Storage:** Store the grip in a clean, dry environment, away from extreme temperatures and corrosive substances.
- **Lubrication:** The adjustment mechanism may benefit from occasional light lubrication with a suitable dry lubricant, if movement becomes stiff. Avoid over-lubrication.

7. TROUBLESHOOTING

If you encounter issues with your G1015-3 grip, consider the following:

| Problem | Possible Cause | Solution |
|-------------------------------|---|--|
| Sample slips during test | Jaws not closed tightly enough; Jaws are dirty or worn; Incorrect sample preparation. | Ensure jaws are fully closed and sample is secure. Clean jaws thoroughly. Inspect jaws for wear and replace if necessary. Ensure sample is cut cleanly and free of contaminants. |
| Difficulty adjusting jaws | Accumulation of debris; Lack of lubrication. | Clean the adjustment mechanism. Apply a small amount of dry lubricant if necessary. |
| Grip does not attach securely | Incorrect thread size; Damaged threads. | Verify that your force gauge or test stand has a 10-32 male thread. Inspect threads on both the grip and the mating component for damage. |

If the problem persists, contact Mark-10 customer support or your authorized distributor.

8. SPECIFICATIONS

| Feature | Detail |
|------------------------|--|
| Model Number | G1015-3 |
| Manufacturer | Mark-10 |
| Item Weight | 0.01 ounces |
| Product Dimensions | 1.9 x 7 x 3 inches |
| Jaw Type | Serrated, Interlocking |
| Material Compatibility | Film, Paper, Labels, Packaging, other thin materials |
| Mounting Thread | 10-32F |

9. WARRANTY AND SUPPORT

Mark-10 products are manufactured to high standards and are backed by a manufacturer's warranty against defects in materials and workmanship. Specific warranty terms and conditions may vary by region and product. Please refer to the official Mark-10 website or your purchase documentation for detailed warranty information. For technical support, service, or to inquire about replacement parts, please contact Mark-10 directly or your

authorized Mark-10 distributor. When contacting support, please have your model number (G1015-3) and serial number (if applicable) ready.

Mark-10 Contact Information:

Please visit the official Mark-10 website for the most current contact details, including phone numbers and email addresses for technical support.