Van Mark TM10

Van Mark Bending Brake Mark II W/Power Lock #TM10 Contractor Model 10'6"

Instruction Manual

1. Introduction

The Van Mark Bending Brake Mark II with Power Lock, model #TM10, is a robust and versatile tool designed for precise bending of various sheet materials. This contractor-grade model, measuring 10 feet 6 inches in length, is engineered for both professional contractors and skilled DIY enthusiasts. Its primary function is to facilitate the creation of custom bends in aluminum, zinc, copper, and steel, making it ideal for siding, roofing, and general fabrication tasks. The Mark II series is known for its durability and ease of use, incorporating features that enhance clamping pressure and simplify complex bending operations.



Figure 1: Overview of the Van Mark Bending Brake Mark II W/Power Lock #TM10 Contractor Model 10'6". This image displays the full length of the bending brake, highlighting its sturdy construction and the integrated handles for operation.

2. Safety Information

Operating any heavy machinery requires strict adherence to safety protocols to prevent injury and equipment damage. Always read and understand all instructions before operation. Keep hands and clothing clear of moving parts. Wear appropriate personal protective equipment (PPE), including safety glasses and gloves. Ensure the brake is securely placed on a stable, level surface before use. Never exceed the material thickness or type limitations specified for this model. Disconnect from power if applicable (though this model appears manual, general safety applies) and secure all components when not in use or during maintenance.

- Always wear safety glasses to protect against flying debris.
- Use heavy-duty gloves to protect hands from sharp edges of materials.
- Ensure the work area is clear of obstructions and well-lit.
- Never operate the brake with damaged or missing parts.

- Keep bystanders at a safe distance during operation.

3. Components and Features

The Van Mark Mark II Bending Brake is designed with several key features to enhance performance and user experience:

- **Power Lock Bar:** Features dual hollow-core construction, providing superior clamping pressure to securely hold materials during bending. This ensures clean, consistent bends.
- **Increased Bending Radius:** Engineered to simplify hemming operations, allowing for tighter and more precise bends.
- **Durable Powder Coat Finish:** A new finish that resists UV fading and oxidation, ensuring the longevity and appearance of the brake even in harsh working conditions.
- **Integrated Measuring Scale:** A clear and easy-to-read measuring scale is integrated into the bending leaf, aiding in precise material placement and consistent bend angles.



Figure 2: Close-up view of the "Mark II Trimmaster" branding and the integrated measuring tape on the bending brake. This shows the precision features of the tool.

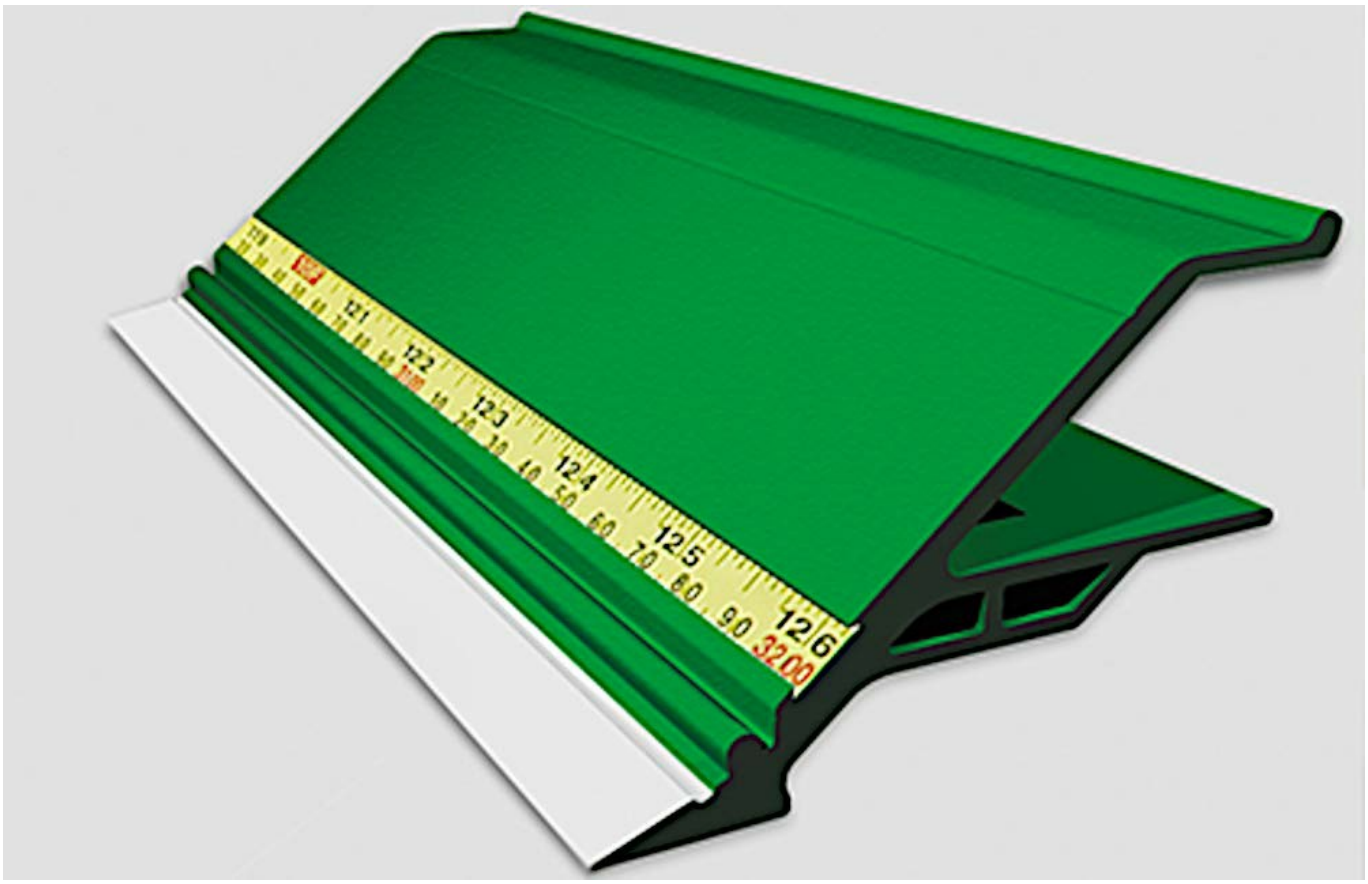


Figure 3: Detailed view of the bending mechanism, showcasing the precise ruler markings and the design of the bending leaf. This illustrates how materials are positioned and bent.

4. Setup

Proper setup is crucial for safe and effective operation of your Van Mark Bending Brake. Due to its size and weight (approximately 312 pounds), it is recommended that setup be performed by at least two individuals.

1. **Unpacking:** Carefully remove the bending brake from its packaging. Inspect all components for any signs of shipping damage. Report any damage to the carrier and manufacturer immediately.
2. **Placement:** Position the bending brake on a stable, level surface capable of supporting its weight and the forces exerted during bending. Ensure there is ample clear space around the brake for material handling and safe operation.
3. **Assembly (if required):** If any components, such as handles or legs, are not pre-assembled, follow the specific assembly instructions provided in the separate assembly guide (not included in this manual). Ensure all fasteners are tightened securely.
4. **Leveling:** Verify the brake is perfectly level to ensure accurate and consistent bends across the entire length of the material. Adjust as necessary.
5. **Initial Inspection:** Before first use, check that the Power Lock Bar engages smoothly and securely, and that the bending leaf operates freely without binding.

5. Operating Instructions

This section outlines the general procedure for operating the Van Mark Bending Brake. Always refer to specific project requirements for material preparation and bend angles.

1. **Material Preparation:** Cut your sheet material (e.g., aluminum, steel) to the desired length and width. Ensure edges are clean and free of burrs.

2. **Positioning Material:** Open the clamping mechanism by lifting the Power Lock Bar handles. Slide the material into the brake, positioning the bend line precisely under the clamping edge. Use the integrated measuring scale for accuracy.
3. **Clamping Material:** Lower the Power Lock Bar handles firmly to clamp the material. Ensure the material is held securely and evenly across its entire width to prevent slippage or uneven bends.
4. **Performing the Bend:** Grasp the bending leaf handles firmly. Apply steady, even pressure to lift the bending leaf upwards, forming the desired angle. For consistent bends, apply pressure uniformly along the length of the handles.
5. **Releasing Material:** Once the bend is complete, lower the bending leaf back to its resting position. Lift the Power Lock Bar handles to release the clamped material. Carefully remove the bent piece.
6. **Hemming:** For hemming operations, the increased bending radius simplifies the process. Perform an initial bend, then reposition the material and perform a second bend to create the hem.

Material Bending Capacities

The following table provides a general overview of the bending capacities for various materials with the Van Mark Mark II Bending Brake. Always test on scrap material first.

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	Trim-A-Brake	Mark I Contractor	Mark I HD Residential	Trim Master Mark II Contractor	Trim Master Mark II Residential	Metal Master Contractor	Metal Master HD Residential	Industrial Trim Master	Industrial Metal Master 20
Price	$	$$	$$$	$$	$$$	$$$	$$$$	$$$$$	$$$$$
2′	T200	M2	x	TM2	x	MM260	x	x	x
4′	x	x	x	x	x	x	x	x	x
4′-6″	T450	M4	x	TM4	x	MM460	x	x	x
6′	x	x	x	x	x	x	x	x	x
6′-6″	T650	M6	M6HD	TM6	TM6HD	MM660	MM661	IT6	IM665
8′-6″	T850	M8	M8HD	TM8	TM8HD	MM860	MM861	IT8	IM865
10′-6″	T1050	M10	M10HD	TM10	TM10HD	MM1060	MM1061	IT10	IM1065
12′-6″	T1250	M12	M12HD	TM12	TM12HD	MM1260	MM1261	IT12	IM1265
14′-6″	x	x	M14HD	x	TM14HD	x	MM1461	IT14	IM1465
Throat Depth	13″	14″	14″	14″	14″	20″	20″	14″	20″
Bends Vinyl	☑	☑	☑	☑	☑	☑	☑	☑	☑
Bends Zinc	x	0.032″	0.040″	0.032″	0.040″	0.040″	0.040″	0.050″	0.050″
Bends Soft Aluminum*	0.024″	0.027″	0.032″	0.027″	0.032″	0.032″	0.032″	0.05″	0.05″
Bends Galvanized Steel*	x	29 Ga.	24 Ga.	29 Ga.	24 Ga.	24 Ga.	24 Ga.	20 Ga.	20 Ga.
Bends Copper*	x	24 oz.	32 oz.	24 oz.	32 oz.	32 oz.	32 oz.	36 oz.	36 oz.
Bends Painted Galvanized Steel*	x	29 Ga.	26 Ga.	29 Ga.	26 Ga.	26 Ga.	26 Ga.	20 Ga.	20 Ga.
Bends Stainless Steel*	x	29 Ga.	26 Ga.	26 Ga.	26 Ga.	26 Ga.	26 Ga.	24 Ga.	24 Ga.
Hemming	x	☑	☑	☑	☑	☑	☑	☑	☑
Warranty	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year

Prices Based On 10′6″ Sizes: $ =Less Than $1,500 | $$ =Less Than $2,000 | $$$ =Less Than $2,500 | $$$$= Less Than $3,000 | $$$$$=Over $3,000 | *Maximum Bending Capability **Manufacture's Warranty

Figure 4: Van Mark Bending Brake Material Capacity Chart. This table details the maximum gauge and thickness for various materials that can be bent by different Van Mark brake models, including the Mark II Contractor.

Approximate Bending Capacities for Mark II Contractor Model

Material Type	Maximum Thickness/Gauge
Vinyl	Bends
Zinc	0.032"

Material Type	Maximum Thickness/Gauge
Soft Aluminum	0.027"
Galvanized Steel	29 Ga.
Painted Galvanized Steel	29 Ga.
Stainless Steel	26 Ga.
Hemming	Supported

Note: These capacities are approximate. Always consult the full Van Mark capacity chart (Figure 4) for detailed specifications across all models and materials.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your bending brake.

- **Cleaning:** After each use, wipe down the brake surfaces, especially the clamping and bending edges, to remove any metal shavings, dust, or debris. Use a soft cloth and a mild cleaner if necessary.
- **Lubrication:** Periodically apply a light machine oil to all pivot points and moving parts to ensure smooth operation and prevent rust. Do not over-lubricate.
- **Inspection:** Regularly inspect the Power Lock Bar, bending leaf, and all structural components for wear, damage, or loose fasteners. Tighten any loose bolts.
- **Storage:** When not in use, store the bending brake in a dry, protected area to prevent corrosion. If storing outdoors, cover it with a waterproof tarp.
- **Blade Sharpening/Replacement:** If the cutting blade (if applicable to your specific model, though this is a bending brake) becomes dull or damaged, consult a qualified technician for sharpening or replacement.

7. Troubleshooting

This section addresses common issues you might encounter and provides basic troubleshooting steps.

Problem	Possible Cause	Solution
Material slips during bending	Insufficient clamping pressure; material too thick; dirty clamping surface.	Ensure Power Lock Bar is fully engaged. Clean clamping surfaces. Verify material is within specified capacity.
Bends are inconsistent or uneven	Brake not level; uneven pressure applied; material not positioned correctly.	Check and adjust brake level. Apply even pressure across bending handles. Re-position material accurately.
Difficulty lifting bending leaf	Lack of lubrication; debris in pivot points; material too thick.	Lubricate pivot points. Clean debris. Ensure material is within capacity.
Scratches on bent material	Debris on brake surfaces; worn clamping pads.	Clean all contact surfaces thoroughly. Inspect and replace worn clamping pads if necessary.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact Van Mark customer support.

8. Specifications

Manufacturer: Van Mark

Part Number: TM10

Item Model Number: TM10

Size: 10'6" (10 feet 6 inches)

Material: Contractor Model

Item Weight: 312 pounds

Color: White

Voltage (if applicable): 110 Volts (for accessories or specific models, main brake is manual)

Wattage (if applicable): 200 watts (for accessories or specific models)

Number of Handles: 2

First Available Date: June 11, 2007

9. Warranty and Support

Warranty: The Van Mark Bending Brake Mark II Contractor Model typically comes with a**1-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.
Customer Support: For technical assistance, parts, or warranty inquiries, please contact Van Mark customer service. Refer to the official Van Mark website or product packaging for the most current contact information.
Note: Warranty terms may vary. Always refer to the official warranty documentation provided with your product for complete details.

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