

Mannesmann M 1255-420

Brueder Mannesmann M 1255-420 Drill Stand Instruction Manual

Model: M 1255-420

1. INTRODUCTION

The Brueder Mannesmann M 1255-420 Drill Stand is designed to provide enhanced stability and precision for various drilling applications. This manual provides essential information for safe assembly, operation, maintenance, and troubleshooting of your drill stand. Please read these instructions carefully before use and retain them for future reference.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of personal injury and damage to the product.

- Always wear appropriate personal protective equipment, including safety glasses, when operating the drill stand.
- Ensure the drill stand is securely mounted to a stable workbench before use.
- Always unplug the power drill from the power source before making any adjustments, changing drill bits, or performing maintenance on the drill stand.
- Secure the workpiece firmly using clamps or a vise to prevent movement during drilling.
- Keep hands and fingers clear of the drill bit and moving parts during operation.
- Do not operate the drill stand if any parts are damaged or missing.

3. PACKAGE CONTENTS

Verify that all components are present before assembly:

- Drill Stand Base
- Vertical Column
- Drill Holder Assembly
- Operating Handle

- Fasteners and Wrenches (if applicable)

4. SETUP AND ASSEMBLY

Follow these steps to assemble your drill stand:

1. Place the drill stand base on a flat, stable surface.
2. Insert the vertical column into the designated opening on the base. Secure it using the provided fasteners.
3. Slide the drill holder assembly onto the vertical column. Ensure it moves freely up and down.
4. Attach the operating handle to the drill holder assembly.
5. Secure the entire drill stand to your workbench using appropriate clamps or bolts through the mounting holes in the base.





Image 1: Components of the Brueder Mannesmann M 1255-420 Drill Stand before assembly.



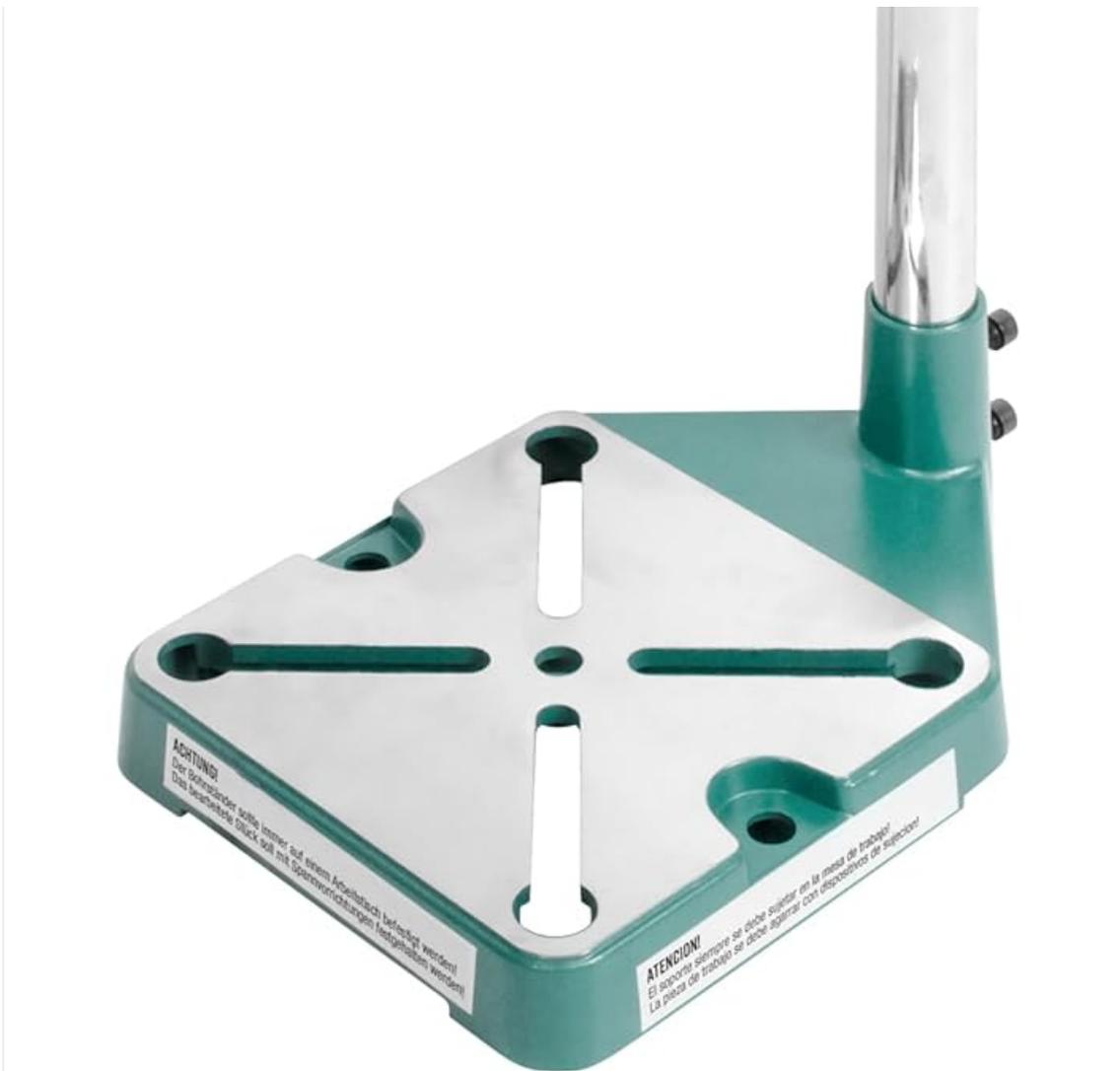


Image 2: The Brueder Mannesmann M 1255-420 Drill Stand fully assembled.

5. OPERATING INSTRUCTIONS

To achieve precise drilling results, follow these operating guidelines:

1. **Attaching Your Drill:** Loosen the clamp on the drill holder assembly. Insert your power drill into the holder, ensuring it is securely seated and aligned. Tighten the clamp firmly to hold the drill in place.
2. **Adjusting Height:** Loosen the locking mechanism on the drill holder assembly. Move the assembly up or down the vertical column to the desired height. Tighten the locking mechanism to secure the height.
3. **Setting Depth Stop:** The drill stand features a depth stop for consistent drilling depth. Adjust the depth stop mechanism to the required depth. This will prevent the drill bit from penetrating beyond the set point.
4. **Securing Workpiece:** Place your workpiece on the base of the drill stand. Use clamps or a vise to firmly secure the workpiece, preventing any movement during drilling.
5. **Drilling:** With the drill bit installed in your power drill and the workpiece secured, slowly lower the drill using the operating handle. Apply steady, even pressure. Once the desired depth is reached (indicated by the depth stop), retract the drill.



Image 3: A power drill securely mounted in the Brueder Mannesmann M 1255-420 Drill Stand.



Image 4: The drill stand in operation, demonstrating precise drilling with a workpiece.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drill stand.

- **Cleaning:** After each use, wipe down the drill stand with a clean, dry cloth to remove dust and debris. For stubborn grime, use a slightly damp cloth and mild detergent, then dry thoroughly.
- **Lubrication:** Periodically apply a light coat of machine oil to the vertical column to ensure smooth

movement of the drill holder assembly.

- **Fastener Check:** Regularly inspect all fasteners and bolts to ensure they are tight. Tighten any loose fasteners to maintain stability and safety.
- **Storage:** Store the drill stand in a clean, dry environment away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Drill wobbles during operation	Drill not securely clamped; Stand not securely mounted; Loose fasteners.	Ensure drill is tightly clamped. Securely mount the stand to the workbench. Check and tighten all fasteners.
Drill holder assembly sticks or moves roughly	Lack of lubrication; Dirt or debris on column.	Clean the vertical column and apply a light coat of machine oil.
Inconsistent drilling depth	Depth stop not properly set; Workpiece not secured.	Verify the depth stop is correctly adjusted and locked. Ensure the workpiece is firmly clamped.

8. SPECIFICATIONS

Key technical details for the Brueder Mannesmann M 1255-420 Drill Stand:

- **Manufacturer:** Brueder Mannesmann Werkzeuge
- **Part Number:** M 1255-420
- **Item Weight:** 1.8 pounds
- **Package Dimensions:** 16.26 x 6.42 x 3.27 inches
- **Model Number:** M 1255-420
- **Color:** Multicolor
- **Item Package Quantity:** 1

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please contact Brueder Mannesmann Werkzeuge directly or refer to their official website. Keep your purchase receipt as proof of purchase.