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› Holzmann TAS 165 PRO Plunge Saw and FS 1500 Guide Rail User Manual

## Holzmann TAS 165 PRO

# Holzmann TAS 165 PRO Plunge Saw and FS 1500 Guide Rail User Manual

Model: TAS 165 PRO | Brand: Holzmann

## 1. INTRODUCTION AND OVERVIEW

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The Holzmann TAS 165 PRO Plunge Saw is a versatile power tool designed for precise cutting of various materials, including solid wood and countertops. It features a powerful 1400-watt motor with stepless speed control from 2,000 to 5,300 RPM, allowing for optimal performance across different applications. The saw offers adjustable cutting depths and angles up to 48 degrees. Key features include automatic kickback protection, a rail fixation system for enhanced stability, and a soft start function for smooth operation. An integrated dust extraction system with a dust bag helps maintain a clean work environment. This package includes the TAS 165 PRO plunge saw, a transport case, a 165x20mm saw blade with 48 teeth, and a 150 cm FS 1500 guide rail for achieving accurate and clean cuts.

## 2. SAFETY INSTRUCTIONS

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Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operation.

- **Wear appropriate personal protective equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask.
- **Keep work area clean and well-lit:** Cluttered or dark areas invite accidents.
- **Secure the workpiece:** Use clamps or a vise to hold the workpiece firmly.
- **Avoid accidental starting:** Ensure the switch is in the off-position before plugging in the tool.
- **Do not overreach:** Maintain proper footing and balance at all times.
- **Disconnect power:** Always unplug the tool before making adjustments, changing accessories, or storing it.
- **Use the correct blade:** Ensure the saw blade is sharp, clean, and suitable for the material being cut.
- **Maintain the tool:** Keep cutting tools sharp and clean for better and safer performance.
- **Keep hands away from cutting area:** Never place hands near the rotating blade.

## 3. PACKAGE CONTENTS

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Verify that all items are present and undamaged upon unpacking:

- Holzm ann TAS 165 PRO Plunge Saw
- FS 1500 Guide Rail (150 cm)
- Transport/Storage Case
- Saw Blade (165 mm x 20 mm, 48 teeth)
- Dust Bag
- Auxiliary Brushes (if applicable)



A robust black transport or storage case for the Holzm ann TAS 165 PRO plunge saw and its accessories, ensuring safe portability and protection.

## 4. TECHNICAL SPECIFICATIONS

<b>Brand</b>	Holzm ann
<b>Model</b>	TAS 165 PRO
<b>Power Source</b>	Corded Electric
<b>Wattage</b>	1400 W

<b>Voltage</b>	230 V
<b>Speed (Stepless)</b>	2000 to 5300 RPM
<b>Saw Blade Diameter</b>	165 mm
<b>Saw Blade Bore</b>	20 mm
<b>Number of Teeth</b>	48
<b>Cutting Width</b>	2.5 mm
<b>Tilt Angle</b>	0-48°
<b>Cutting Depth (90° without rail)</b>	54 mm
<b>Cutting Depth (45° without rail)</b>	42 mm
<b>Cutting Depth (90° with rail)</b>	54 mm
<b>Cutting Depth (45° with rail)</b>	38 mm
<b>Net Weight</b>	Approx. 7 kg
<b>Guide Rail Length</b>	150 cm (FS 1500)
<b>Handle Material</b>	Thermoplastic elastomers

## 5. SETUP

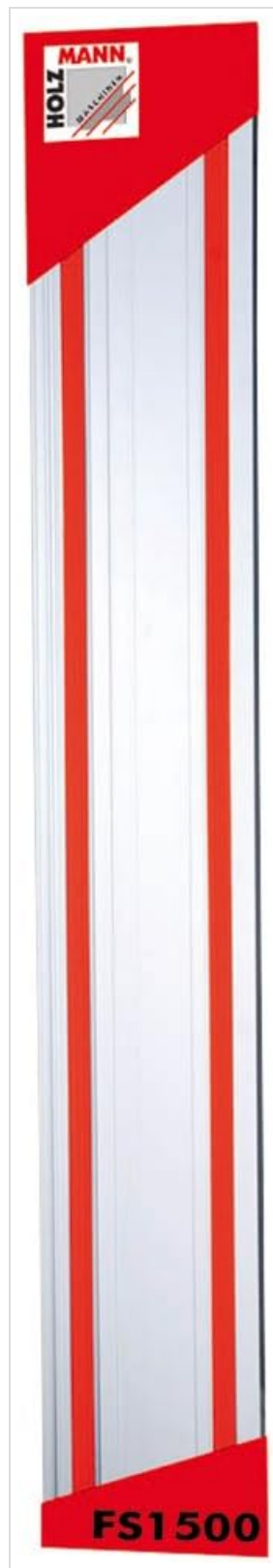
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### 5.1 Attaching the Saw Blade

1. Ensure the saw is unplugged from the power source.
2. Locate the spindle lock button and press it to secure the saw blade.
3. Use the provided wrench to loosen the arbor nut.
4. Carefully remove the old blade (if applicable) and install the new 165x20mm blade, ensuring the rotation direction matches the arrow on the saw.
5. Tighten the arbor nut securely.

### 5.2 Assembling the Guide Rail (FS 1500)

The FS 1500 guide rail may come in sections. Connect them using the provided connectors to achieve the desired length. Ensure the connection is secure and straight for optimal cutting precision.



The Holzmann FS 1500 guide rail, a 150 cm long accessory designed for straight and precise cuts with the plunge saw.

### 5.3 Adjusting Cutting Depth and Angle

- **Depth Adjustment:** Loosen the depth adjustment lever, set the desired cutting depth using the scale, and then tighten the lever.
- **Angle Adjustment:** Loosen the bevel adjustment lever, tilt the saw to the desired angle (0-48°), and tighten the lever.

## 6. OPERATING INSTRUCTIONS

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### 6.1 General Operation

1. Place the workpiece on a stable surface and secure it.
2. Connect the dust bag or an external dust extractor to the saw's dust port.
3. Plug the saw into a suitable power outlet.
4. Hold the saw firmly with both hands.
5. Press the power switch to start the motor. The soft start function will ensure a smooth ramp-up.
6. Gently plunge the blade into the material, maintaining a steady, controlled feed rate.
7. Once the cut is complete, release the power switch and allow the blade to stop completely before lifting the saw.



A detailed view of the Holzmann TAS 165 PRO plunge saw, showcasing its ergonomic design and key features like the adjustable depth and angle settings.

## 6.2 Using the Guide Rail for Precision Cuts

The FS 1500 guide rail is essential for achieving straight and accurate cuts.

1. Position the guide rail on the workpiece, aligning it with your desired cut line.
2. Use clamps to secure the guide rail to the workpiece to prevent movement during cutting.

3. Place the plunge saw onto the guide rail. The saw's base is designed to fit snugly into the rail's track.
4. Adjust the cutting depth and angle as required.
5. Engage the rail fixation system on the saw to ensure it stays securely on the track.
6. Start the saw and slowly push it along the guide rail, allowing the blade to cut through the material. Maintain consistent pressure and speed.
7. After the cut, release the trigger and wait for the blade to stop before removing the saw from the rail and the rail from the workpiece.



An overhead view of the Holzmann TAS 165 PRO plunge saw mounted on the FS 1500 guide rail, illustrating the setup for straight cutting operations.



The Holzmann TAS 165 PRO plunge saw positioned on the FS 1500 guide rail, demonstrating how the saw engages with the rail for angled cuts.

## 7. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your Holzmann plunge saw.

- **Cleaning:** After each use, unplug the saw and clean it thoroughly. Remove sawdust and debris from the motor vents, blade guard, and base plate. Use a soft brush or compressed air.
- **Blade Inspection:** Regularly inspect the saw blade for sharpness, damage, or missing teeth. Replace dull or damaged blades immediately.

- **Guide Rail Care:** Keep the guide rail clean and free of debris. Check for any bends or damage that could affect cutting accuracy.
- **Carbon Brushes:** Check the carbon brushes periodically. Replace them when they are worn down to approximately 1/4 inch (6 mm) or if the motor performance decreases. Refer to the specific instructions for brush replacement.
- **Cord Inspection:** Inspect the power cord for any cuts, fraying, or damage. Do not use the tool if the cord is damaged.

## 8. TROUBLESHOOTING

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If you encounter issues with your Holzmann TAS 165 PRO, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Saw does not start	No power supply, faulty switch, worn carbon brushes	Check power connection, inspect power cord, replace carbon brushes.
Poor cut quality (rough edges, splintering)	Dull blade, incorrect blade for material, improper feed rate, unstable workpiece	Replace or sharpen blade, use appropriate blade, adjust feed rate, secure workpiece firmly.
Excessive dust production	Dust bag full or improperly attached, clogged dust port	Empty and reattach dust bag, clear any blockages in the dust port.
Saw binds or kicks back	Blade pinching, dull blade, improper cutting technique, workpiece not secured	Ensure workpiece is supported correctly, replace blade, use proper technique, secure workpiece.

## 9. WARRANTY AND SUPPORT

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Holzmann provides a standard manufacturer's warranty for this product. Please refer to the warranty card included with your purchase for specific terms and conditions, including warranty period and coverage details. For technical support, spare parts, or service inquiries, please contact your authorized Holzmann dealer or visit the official Holzmann website for contact information.

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