

[Manuals.plus](#) /

› [22 Designs](#) /

› 22 Designs Axl Telemark Binding Small Instruction Manual

## 22 Designs Axl

# 22 Designs Axl Telemark Binding (Small) Instruction Manual

Model: Axl

## INTRODUCTION

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The 22 Designs Axl Telemark Binding is engineered for high-performance telemark skiing, offering a blend of stability, adjustability, and power. This binding features a free-pivot touring mode for efficient uphill travel and customizable pivot settings to match various skiing styles and boot preferences. Constructed with durable stainless steel and CNC-machined components, the Axl binding is designed for rugged use in diverse mountain environments.

This manual provides essential information for the proper setup, operation, and maintenance of your 22 Designs Axl Telemark Bindings. Please read it thoroughly before installation and use to ensure safety and optimal performance.

## SETUP

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Proper installation of your Axl Telemark Bindings is crucial for safety and performance. It is recommended that installation be performed by a qualified ski technician.

## Components Overview



Image: The 22 Designs Axl Telemark Binding disassembled, displaying the main toe and cable unit alongside the separate heel piece. This illustrates the primary components involved in mounting.

## Mounting Instructions

1. **Ski Preparation:** Ensure your skis are clean and dry. Identify the boot center mark on your skis.
2. **Template Placement:** Use the official 22 Designs mounting template (not included, typically provided with bindings or by a technician) to mark the drill holes. Align the template according to your boot sole length and desired mounting position.
3. **Drilling:** Carefully drill holes to the specified depth and diameter using a drill bit appropriate for ski mounting. Avoid over-drilling.
4. **Binding Installation:** Apply a waterproof adhesive (e.g., epoxy) to the drill holes before screwing in the binding components. This prevents moisture intrusion and secures the screws.
5. **Heel Piece Adjustment:** Install the heel piece. The Axl binding features a six-point heel connection for maximum lateral control. Adjust the heel piece position to ensure proper boot fit and cable tension.
6. **Cable Tension Adjustment:** The binding allows for adjustable pivot points. Dial in the cable tension to match your boot size, skiing style, and desired resistance. Refer to the specific instructions provided with your binding for detailed adjustment procedures.

**Important:** Incorrect mounting can lead to binding failure and serious injury. If you are unsure about any step, consult a certified ski technician.

## OPERATING

The 22 Designs Axl binding offers versatile functionality for both downhill telemark skiing and uphill touring.

### Engaging and Disengaging the Binding

- **Step-In:** Place the toe of your telemark boot into the binding's toe piece. Press down firmly with your heel

until the heel lever locks into place. Ensure the boot is securely seated.

- **Step-Out:** Use your ski pole to depress the heel lever, releasing your boot from the binding.

## Switching Between Tour and Ski Mode

**Quickly switch between tour and ski mode using the built-in ski pole-actuated mechanism, allowing for greater energy efficiency during long ascents.**

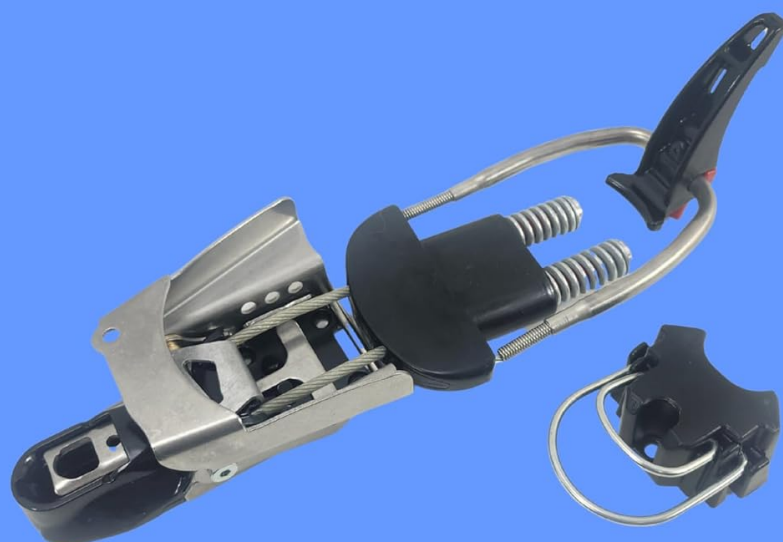


Image: The 22 Designs Axl Telemark Binding, illustrating the mechanism for switching between tour and ski modes. This feature allows for quick transitions using a ski pole, enhancing efficiency during ascents.

The Axl binding features a free-pivot touring mode, allowing for efficient uphill travel. This mode can be quickly engaged or disengaged using a ski pole-actuated mechanism.

- **To Engage Tour Mode:** While standing on your skis, use the tip of your ski pole to push down on the designated lever or mechanism near the toe piece. This will unlock the heel and allow the boot to pivot freely for walking.
- **To Engage Ski Mode:** Push down on the same lever or mechanism until it locks into the ski position. Ensure the heel is fully engaged and the binding is secure for downhill skiing.

## Heel Risers

The Axl binding includes heel risers to provide comfort and efficiency during steep ascents. These risers can be flipped up with your ski pole to elevate your heel, reducing strain on your calves.

- **To Raise:** Use your ski pole to flip up the desired heel riser level.
- **To Lower:** Use your ski pole to push the heel riser back down into its flat position.

## MAINTENANCE

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Regular maintenance ensures the longevity and reliable performance of your 22 Designs Axl Telemark Bindings.

- **Cleaning:** After each use, especially in wet or snowy conditions, wipe down the bindings with a clean, dry cloth to remove snow, ice, and dirt.
- **Lubrication:** Periodically apply a small amount of silicone-based lubricant to moving parts, such as the pivot points and heel lever mechanism, to ensure smooth operation. Avoid petroleum-based lubricants as they can attract dirt.
- **Inspection:** Regularly inspect all screws for tightness. Check cables, springs, and plastic components for signs of wear, cracks, or damage. Replace any worn or damaged parts immediately.
- **Storage:** Store bindings in a cool, dry place away from direct sunlight and extreme temperatures. Ensure they are clean and dry before storage.

## TROUBLESHOOTING

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This section addresses common issues you might encounter with your Axl Telemark Bindings.

Problem	Possible Cause	Solution
Difficulty stepping into binding	Ice or snow in toe piece; incorrect boot alignment; cable tension too high.	Clear ice/snow. Ensure boot toe is fully inserted. Adjust cable tension if necessary.
Binding releases unexpectedly	Insufficient cable tension; worn boot sole; damaged heel lever.	Increase cable tension. Inspect boot sole for wear. Check heel lever for damage and replace if needed.
Difficulty switching modes	Ice or debris in mechanism; lack of lubrication; bent components.	Clear mechanism of obstructions. Apply lubricant. Inspect for physical damage.
Excessive play or looseness	Loose mounting screws; worn pivot points; incorrect boot size.	Tighten all mounting screws. Inspect pivot points for wear. Ensure boot is compatible with binding size.

## SPECIFICATIONS

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Key specifications for the 22 Designs Axl Telemark Binding (Small):

Feature	Detail
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Feature	Detail
Model Name	Axl
Size	Small (fits Mondo 25.5 & Under)
Material	Stainless Steel
Item Weight	4 Pounds
Fit Type	Adjustable
Skill Level	Intermediate
UPC	701233681751
Included Components	Pair of Bindings

## WARRANTY

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The 22 Designs Axl Telemark Binding comes with a **2 Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, misuse, accidents, modifications, or normal wear and tear.

For warranty claims, please retain your proof of purchase and contact 22 Designs directly or the authorized retailer from whom you purchased the product.

## SUPPORT

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For further assistance, technical support, or to inquire about replacement parts, please contact 22 Designs customer service. Contact information can typically be found on the official 22 Designs website.

Always refer to the manufacturer's official website for the most up-to-date information and support resources.