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› NEWMEN Beskar 30 Enduro Rear Wheel User Manual

NEWMEN Beskar 30 Strong Aluminum 29" 32h Fade SP 6B 12x148 XD

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Model: Beskar 30 Strong Aluminum 29" 32h Fade SP 6B 12x148 XD

Manufacturer: NEWMEN

1. PRODUCT OVERVIEW

The NEWMEN Beskar 30 Enduro Rear Wheel is engineered for demanding off-road cycling, offering exceptional durability and performance. Constructed from high-strength Beskar aluminum, this wheel is designed to withstand significant impacts while maintaining a competitive weight. It is suitable for ambitious enduro racers and can also be utilized as a robust front wheel for World Cup downhill applications.



Image 1.1: Full view of the NEWMEN Beskar 30 Enduro Rear Wheel, showcasing its 29-inch diameter and spoke pattern.

Key Features:

- **High-End Beskar Aluminum Rim:** Engineered for maximum dent resistance and minimal weight.
- **Enhanced Durability:** Significantly outperforms the strength of its predecessor, the NEWMEN Evolution SL E.G.30.
- **Superior Impact Resistance:** Proven to be more resistant to impacts than many competitor products tested in NEWMEN's lab.
- **Optimized Rim Profile:** Features a rounded, optimized rim profile with a flared design for added strength and durability.
- **Weight Reduction:** Thinner sidewalls and flared flanges contribute to overall weight reduction.



TECHNOLOGY MTB WHEELS

- + Rounded, optimized rim profile
- + Flared design for added strength and durability
- + High-strength, heat-treated aluminum alloy
- + Thinner sidewalls and flared flanges for weight reduction
- + Optimized cross-section and wall thickness for each rim width
- + Improved resistance to dents and deformation
- + Strong, ding-resistant flared flanges inspired by the motocross and enduro industry

Image 1.2: Diagram illustrating the technology behind NEWMEN MTB wheels, highlighting features like optimized rim profile, flared design, and high-strength aluminum alloy.

2. SAFETY INFORMATION

Always prioritize safety during installation and use. Improper installation or maintenance can lead to serious injury or product damage. If you are unsure about any step, consult a qualified bicycle mechanic.

- **Professional Installation Recommended:** For optimal safety and performance, professional installation by a certified bicycle mechanic is strongly advised.
- **Torque Specifications:** Always adhere to the manufacturer's recommended torque specifications for all fasteners, especially for axle bolts, rotor bolts, and cassette lockrings.
- **Regular Inspection:** Periodically inspect the wheel for any signs of damage, cracks, loose spokes, or excessive wear. Do not ride with damaged components.
- **Tire Pressure:** Maintain correct tire pressure as recommended by the tire manufacturer and suitable for your riding conditions. Incorrect pressure can affect handling and rim integrity.

3. SETUP AND INSTALLATION

This section provides general guidelines for installing your NEWMEN Beskar 30 rear wheel. Specific

procedures may vary depending on your bicycle frame and other components. Always refer to your bicycle frame manufacturer's instructions for compatibility and specific torque values.

3.1. Preparation

1. Ensure your bicycle is securely mounted in a repair stand.
2. If replacing an existing wheel, remove it from the frame.
3. Gather necessary tools: torque wrench, cassette tool, chain whip, rotor tools (if applicable), tire levers, and a pump.

3.2. Component Installation (if not pre-installed)



Image 3.1: Close-up view of the NEWMEN Fade hub, showing the XD driver body and 6-bolt rotor mounting interface.

1. **Cassette Installation:** This wheel features an XD driver body. Install your compatible SRAM XD cassette onto the freehub body. Tighten the cassette locking to the manufacturer's specified torque using a cassette tool and torque wrench.
2. **Brake Rotor Installation:** This wheel is designed for 6-bolt rotors. Align the rotor with the 6 mounting holes on the hub and secure it with the provided bolts. Tighten the bolts in a star pattern to the rotor manufacturer's specified torque.
3. **Tire Installation:** Install your chosen 29-inch tire onto the rim. Ensure the tire beads are properly seated. If using tubeless, add sealant according to tire/sealant manufacturer instructions. Inflate the

tire to the recommended pressure range.

3.3. Wheel Installation into Frame

1. Carefully insert the wheel into the rear dropouts of your bicycle frame, ensuring the brake rotor slides correctly into the brake caliper.
2. Align the 12x148mm thru-axle with the hub and frame. Insert and thread the thru-axle into place.
3. Tighten the thru-axle to the bicycle frame manufacturer's specified torque. Do not overtighten.
4. Check that the wheel spins freely and is centered within the frame and brake caliper.
5. Adjust the rear derailleur if necessary to ensure smooth shifting with the new cassette.

4. OPERATING AND USAGE GUIDELINES

The NEWMEN Beskar 30 Enduro Rear Wheel is built for aggressive trail riding, enduro racing, and downhill applications. Proper usage ensures longevity and performance.

- **Intended Use:** This wheel is designed for off-road use, including technical trails, jumps, and drops typical of enduro and downhill riding.
- **Tire Pressure:** While the Beskar 30 rim is robust, avoid excessively low tire pressures that can lead to a 'mushy' ride feel and potential rim damage from impacts. Consult your tire manufacturer's recommendations and adjust for rider weight and terrain.
- **Riding Style:** Ride within your skill limits. While the wheel is highly durable, extreme impacts beyond its design parameters can still cause damage.

5. MAINTENANCE

Regular maintenance is crucial for the performance, safety, and longevity of your NEWMEN Beskar 30 rear wheel.

5.1. After Each Ride:

- **Clean the Wheel:** Remove dirt, mud, and debris from the rim, spokes, and hub using mild soap and water. Avoid high-pressure washers directly on bearings.
- **Inspect for Damage:** Quickly check the rim for dents or cracks, spokes for looseness or breakage, and the tire for cuts or punctures.

5.2. Monthly / Every 100 Miles:

- **Spoke Tension Check:** Lightly squeeze pairs of spokes to check for consistent tension. Uneven tension can lead to wheel wobble or failure. If spokes are loose, have them tensioned by a professional.
- **Wheel Trueness:** Check if the wheel runs true (without excessive side-to-side wobble). Minor adjustments can be made with a spoke wrench, but significant truing should be done by a mechanic.
- **Hub Play:** Check for any play in the hub bearings by wiggling the wheel side-to-side while it's installed. If play is detected, the bearings may need adjustment or replacement.
- **Tire Condition:** Inspect the tire tread for wear and sidewalls for cracks. Replace worn or damaged tires.

5.3. Annually / Every 1000 Miles:

- **Hub Service:** Have the hub bearings inspected, cleaned, and re-greased or replaced by a professional mechanic.

- **Full Wheel Inspection:** A comprehensive inspection by a professional mechanic is recommended to assess overall wheel integrity.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your rear wheel. For complex problems, always consult a qualified bicycle mechanic.

6.1. Wheel Wobbles or is Untrue

- **Possible Cause:** Loose or unevenly tensioned spokes, bent rim.
- **Solution:** Check spoke tension. If spokes are loose or the wheel is significantly out of true, professional truing is required. A bent rim may need replacement.

6.2. Strange Noises (Creaking, Clicking)

- **Possible Cause:** Loose spokes, dry hub bearings, loose cassette, loose thru-axle, or issues with other bike components (e.g., bottom bracket, pedals).
- **Solution:** Check spoke tension, ensure cassette lockring and thru-axle are tightened to spec. If noise persists, hub service may be needed. Isolate the noise to confirm it's from the wheel.

6.3. Excessive Play in Hub

- **Possible Cause:** Worn or loose hub bearings.
- **Solution:** Hub bearings may need adjustment, cleaning, or replacement. This typically requires specialized tools and expertise; consult a mechanic.

7. SPECIFICATIONS

Detailed specifications for the NEWMEN Beskar 30 Enduro Rear Wheel.

Specification	Value
Brand	NEWMEN
Model	Beskar 30 Enduro Rear Wheel
Wheel Size	29 Inches
Rim Width (Internal)	30 Millimeters
Hub Spacing	12x148mm (Boost)
Freehub Body	XD Driver
Brake Mount	6-Bolt Disc
Spoke Count	32h
Rim Material	Beskar Aluminum
ASIN	B0DYPB3YTM

8. WARRANTY AND SUPPORT

NEWMEN products are manufactured to high standards and come with a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of your warranty may vary by region and product. Please retain your proof of purchase.

- **Warranty Claims:** For warranty claims or detailed information regarding your product's warranty, please contact the retailer where you purchased the wheel or visit the official NEWMEN website.
- **Technical Support:** For technical assistance, installation queries, or maintenance advice beyond this manual, please refer to the NEWMEN official website or contact their customer support channels.

Always ensure that any service or repair work is carried out by qualified personnel using genuine NEWMEN replacement parts to maintain warranty validity and product safety.