



***BONTRAGER***

# **Dipper Helmets** **Owner's Manual**

ENGLISH

# Congratulations

For choosing a Bontrager bicycle helmet. This helmet is constructed to meet the highest standards for performance and safety. With correct adjustment, care, and maintenance, this helmet will help your child ride safely.

## **Read this manual before riding with your new helmet!**

Correct adjustment and use of this helmet is critical to safety. This manual is written for the parent or guardian of a child. Where the manual says “your helmet,” it also means “the child’s helmet.” Parents should explain the information in this manual to their children or anyone who is not able to understand.

If you do not understand information in this manual, consult your dealer. If you have a question or problem that your dealer cannot handle, contact us at our address, telephone, or web site:

Bontrager

Attn: Customer Service  
801 W. Madison Street  
Waterloo, WI 53594

920.478.4678

[bontrager.com](http://bontrager.com)

**Illustrations may not exactly match your helmet. Not all Bontrager helmets include all the listed features.**

**This manual meets the requirements for the following standards:**

+U.S. Consumer Product Safety Commission  
16 CFR Part 1203

+ASTM F 1447-06

+EN 1078

+AS/NZS 2063:2008

**Tested by:**

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Châtellerault-France n°0501.

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## **About Your Helmet**

A helmet can provide important protection if fitted and worn correctly. Important safety information:

A helmet must be correctly worn and maintained to provide protection. Carefully read and follow these instructions. Incorrect use or maintenance of your helmet could lead to serious injury or death.

## **Ride Safely**

No helmet can protect the wearer against all possible impacts. A severe impact, sharp object, improper use, or incorrect adjustment could cause conditions beyond the protection of the helmet.

## **Check the adjustment before every ride**

To be effective, a helmet must fit and be worn correctly. The helmet is designed to be retained by a strap under the lower jaw. To check for correct fit, place helmet on head and make any adjustments indicated. Securely fasten retention system. Grasp the helmet and try to rotate it to the front and rear. A correctly fitted helmet should be comfortable and should not move forward to obscure vision or rearward to expose the forehead. If you cannot correctly adjust your helmet, consult your dealer.

## **Avoid high heat**

Do not expose your helmet to heat, such as inside a car on a sunny day. Excessive heat can damage the liner or shell, or make them separate.

## **Avoid chemicals**

The helmet may be damaged and rendered ineffective by petroleum and petroleum products, cleaning agents, paints, adhesives and the like, without the damage being visible to the user.

## **Replace an old helmet or helmet with damage**

The helmet is designed to absorb shock by partial destruction of the shell and liner. This damage may not be visible. Therefore, if subjected to a severe blow, the helmet should be destroyed and replaced even if it appears undamaged. The helmet has a limited lifespan in use and should be replaced when it shows obvious signs of wear. Helmet parts lose strength over time, so even if the helmet has not been impacted or damaged, replace it after three years.

### **WARNING**

Helmets vary in both design and protection. This helmet is designed for use in recreational bicycle riding; it does not offer the same protection as a helmet designed for use in rock climbing, roller-skating, or skiing. Make sure your helmet is designed and intended for your type of bicycle riding. If you choose to do stunts or tricks, ride off-road, or ride at high speeds, you should choose a helmet with more protection.

Anything between your head and the helmet can reduce the protection. A cap, scarf, or even some high-volume hairstyles might allow the helmet to move during an impact. Barrettes, headphones, or anything else under your helmet can injure you if the helmet is impacted.

Do not modify the helmet. No attachments should be made to the helmet except those recommended by the helmet manufacturer.

This includes stickers or adhesive labels.

Avoid choking. This helmet should not be used by children while climbing or doing other activities where there is a risk of hanging or strangulation if the child gets trapped whilst wearing the helmet.

Keep your helmet clean. Wash it with a solution of mild soap and water. The fit pads are machine washable in cold temperature, gentle cycle. Do not put fit pad sets in the dryer. You can also buy new fit pads from your dealer.

Ventilation holes may allow penetration.

Sticks, stones, or insects can pass through the holes to the interior of the helmet.

## Replacement Policy

If your helmet is impacted within the first year of ownership, Bontrager will replace it at no charge. Ship the helmet, postage prepaid, to Bontrager customer service with a copy of your receipt and a description of the accident. We will send you a new helmet upon receipt of your crashed helmet.

## Adjusting the Helmet

Bontrager offers two childrens' helmet models to fit different head sizes: Little Dipper and Big Dipper. To check the shell size of your helmet, put it on the child's head in the correct position (see Figure 1 and Figure 2), but do not fasten the buckle. A good fit is snug, but not tight.

**Note:** All directions (left, right, top, bottom) are in reference to the helmet as worn on the head.



Figure 1. Correct Helmet Placement

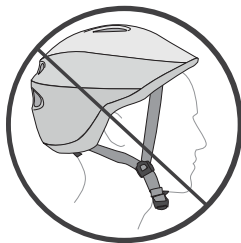
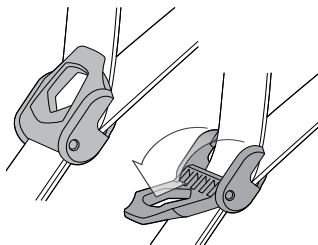


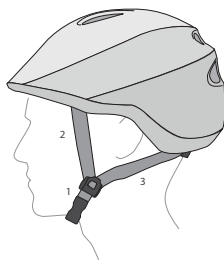
Figure 2. Incorrect Helmet Placement

## To Adjust the Left Temple Strap

1. Place the helmet on the child's head.
2. Unlock the strap adjustor (Figure 3).
3. Slide the strap adjustor on the left temple strap (Figure 4) until the strap adjustor sits just beneath the left earlobe.
4. Hold the strap adjustor position on the temple strap while you pull the nape strap (Figure 4) through the nape adjustor. The left buckle should almost touch the strap adjustor.
5. Lock the strap adjustor.



**Figure 3. Operation of the Strap Adjustor**

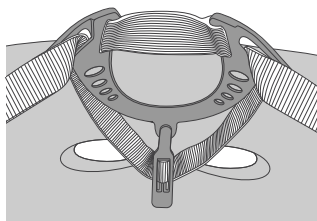


**Figure 4. Left Buckle (1), Left Temple Strap (2), and Left Nape Strap (3)**

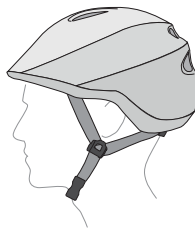


## To Adjust the Left Nape Strap

1. With the helmet off, pull the left nape strap (Figure 4) through the back of the helmet (Figure 5) to adjust the position of the left strap adjustor.
2. Put the helmet on. With the helmet correctly positioned on the head, the left strap adjustor should be just below the earlobe (Figure 6). Both the temple strap and the nape strap should be taut.
3. If necessary, re-adjust the left temple strap (see previous section).



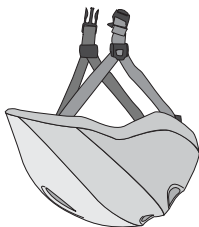
**Figure 5. Strap Position in Back of Helmet**



**Figure 6. Final Position of Left Strap Adjustor**

## To Adjust the Right Nape Strap and Right Temple Strap

1. With the helmet off, open the right strap adjustor.
2. Slide the right strap adjustor on the nape strap until the right nape strap is the same length as the left nape strap.
3. Pull the right temple strap through the right strap adjustor until it is the same length as the left temple strap (Figure 7).
4. Lock the strap adjustor.
5. Put the helmet on and check the helmet adjustment.
  - +Both strap adjustors should be just below the ear lobes.
  - +Both the temple straps and nape straps should be taut.
6. If necessary, re-adjust.



**Figure 7. Left Temple Straps and Right Temple Straps Have Matching Lengths**

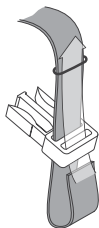
## To Adjust the Chinstrap

The helmet is designed to be retained by a strap under the lower jaw. The two straps hanging from the right strap adjuster that go under the lower jaw are collectively called the chinstrap (Figure 8). Make sure the chinstrap is correctly threaded through the right buckle (Figure 9).

1. Adjust the length of the chinstrap by sliding it through the buckle.
2. Insert the right-hand buckle into the left-hand buckle (Figure 10).
3. Make sure the buckle is correctly fastened:
  - + Listen for a click as the buckle engages.
  - + Attempt to pull the buckle apart with the chinstrap; it should not come apart.



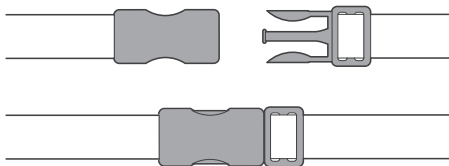
**Figure 8. Correct Placement of Chinstrap**



**Figure 9. Path of Chinstrap Through Buckle and O-ring**

The chinstrap should be located as shown in Figure 8 and should fit snugly against the bottom of your chin. If not, re-adjust.

4. To keep the chinstrap from flapping, tuck it through the rubber O-ring (Figure 9).

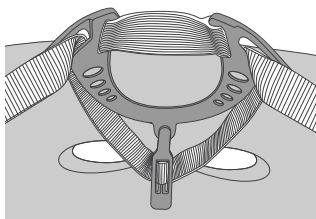


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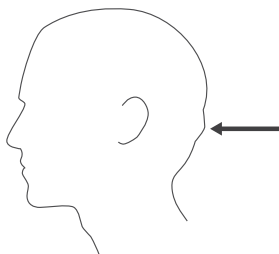
**Figure 10. Chinstrap Buckle Unfastened and Buckle Fastened**

## Quick Set™ fit system

This system works to add comfort and security to the fit of the helmet. It is self-adjusting, but to work best must be placed on the head correctly. Place the Quick Set strap (Figure 11) just below the occipital lobe, the bony protrusion at the base of the skull (Figure 12).



**Figure 11. Quick Set strap**



**Figure 12. Occipital lobe of head**

## **To Adjust the Fit System**

1. Put the helmet on the child's head, but do not connect the straps.
2. Position the fit system so that it is below the occipital lobe, the bony protrusion at the base of the skull.
3. Buckle the chinstrap.
4. Test the adjustments (see next page).

## To Remove the Helmet

While pulling lightly on the chinstrap, press on both of the recessed tabs of the buckle (Figure 13).

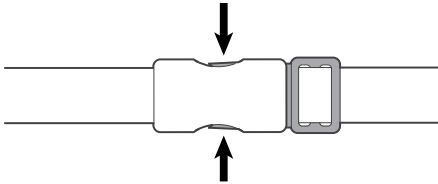


Figure 13. Opening the Buckle

## To Test the Adjustments

Perform each of these two tests:

- + Shake your head side-to-side. The helmet should not move on your head.
- + Attempt to push the helmet forward and backward on your head. If the helmet moves back, tighten the temple straps. If the helmet moves forward, tighten the nape straps.

If the helmet cannot be adjusted correctly, you may need a smaller shell size; consult your dealer.

## **Cutting Excess Chinstrap**

If you choose to cut the chinstrap, leave at least 1 inch (25mm) above the buckle. A chinstrap that is too short may lead to the helmet losing its adjustment and protection. After cutting, melt the end of the chinstrap to prevent fraying. Be careful with high heat near the helmet. The strap is flammable. Until it cools, avoid contact with the melted nylon because it can burn.



## **FOR AUSTRALIA AND NEW ZEALAND:**

### **Instructions for Use and Care**

- (a) No helmet can protect the wearer against all possible impacts.
- (b) The helmet is designed to be retained by a strap under the lower jaw.
- (c) To be effective, a helmet must fit and be worn correctly. To check for correct fit, place helmet on head and make any adjustments indicated. Securely fasten retention system. Grasp the helmet and try to rotate it to the front and rear. A correctly fitted helmet should be comfortable and should not move forward to obscure vision or rearward to expose the forehead.
- (d) No attachments should be made to the helmet except those recommended by the helmet manufacturer.
- (e) The helmet is designed to absorb shock by partial destruction of the shell and liner. This damage may not be visible. Therefore, if subjected to a severe blow, the helmet should be destroyed and replaced even if it appears undamaged.
- (f) The helmet may be damaged and rendered ineffective by petroleum and petroleum products, cleaning agents, paints, adhesives and the like, without the damage being visible to the user.
- (g) A helmet has a limited lifespan in use and should be replaced when it shows obvious signs of wear.

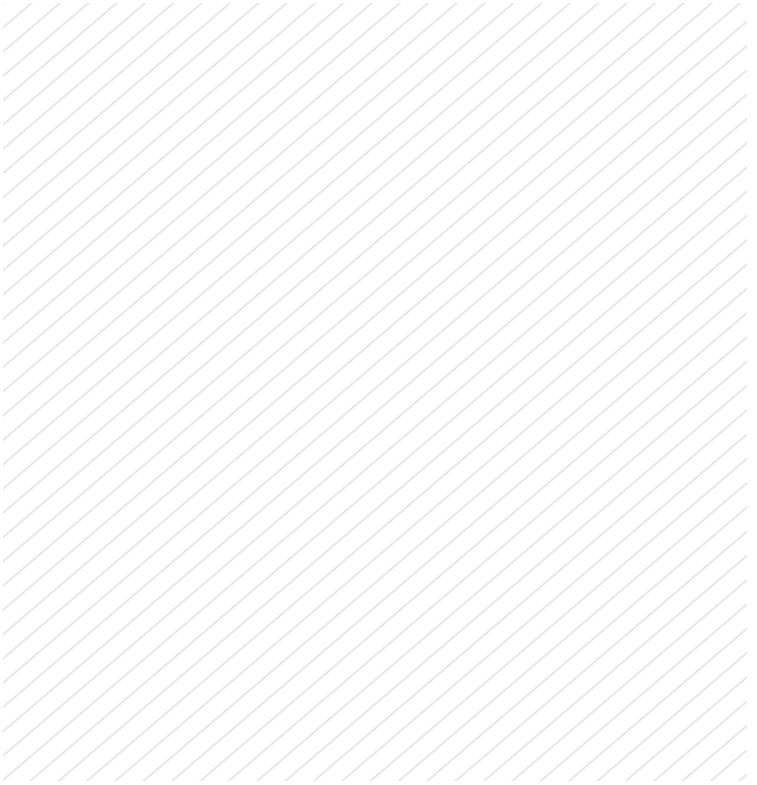
(h) This helmet should not be used by children while climbing or doing other activities where there is a risk of hanging or strangulation if the child gets trapped whilst wearing the helmet.

## **Limited Warranty**

See [bontrager.com](http://bontrager.com) for detailed warranty information.

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