

# **Riddell®**

## **SPEED™**



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## **FITTING INSTRUCTIONS**

## **HELMET CARE GUIDE**

\*Speed Classic Icon Shown



## **FITTING INSTRUCTIONS HELMET CARE GUIDE**

R41197 Speed Icon  
R61197 Speed Icon InSite  
R41198 Speed Classic Icon

R41193 Speed Icon Youth (S-L)  
R41193X Speed Icon Youth (XL)  
R61193 Speed Icon Youth InSite (S-L)  
R61193X Speed Icon Youth InSite (XL)

R41199 Speed Classic Youth (S-L)  
R41169X Speed Classic Youth (XL)

**MAINTENANCE AND CORRECT FITTING IS ESSENTIAL TO THE USE OF ALL  
PROTECTIVE EQUIPMENT. FOOTBALL HELMETS MUST BE FITTED AND PROPERLY  
MAINTAINED IF THEY ARE TO SERVE THE PLAYER.**

**INSPECT HELMET BEFORE EACH USE.**

For patent information visit [www.Riddell.com/Patents](http://www.Riddell.com/Patents)

# FITTING INSTRUCTIONS

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## CHECKING HEAD SIZE

- 1) Wrap a cloth measuring tape around the circumference of the head.
- 2) Measure with tape approximately 1" above the eyebrows (Figure 1).
- 3) Refer Riddell's size chart below.
  - a) Chart is provided as a guide.
  - b) If measurement falls between helmet sizes, start with the smaller size.

SIZES	HAT SIZE	CIRCUMFERENCE (IN)	CIRCUMFERENCE (CM)
<b>S</b>	up to 6 1/2	up to 20 3/8"	up to 52cm
<b>M</b>	6 1/2 - 7	20 3/8 - 22"	52 - 56cm
<b>L</b>	7 - 7 1/2	22 - 23 1/2"	56 - 60cm
<b>XL</b>	7 1/2 and up	23 1/2" and up	60cm and up

Figure 1



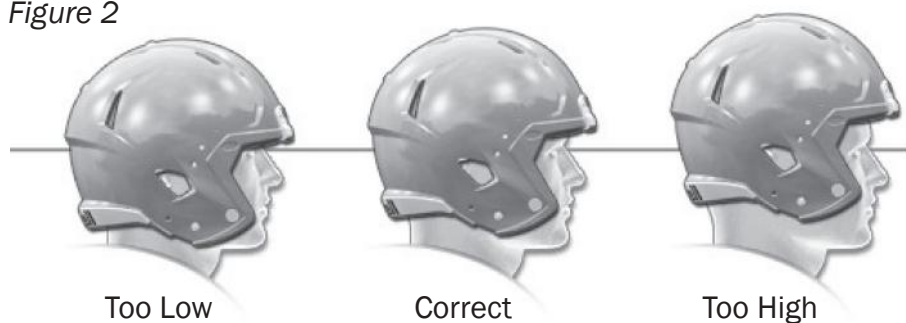
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## FIT GUIDE

- 1) Begin with all inflatable liners deflated.
- 2) If helmet is too high, try a larger size and repeat process.
- 3) If helmet height is correct, continue to Page 8: Adjusting Back/Neck/Side Liner.
- 4) If helmet is too low, refer to Page 7: Adjusting Helmet Height.\*

Figure 2 shows the proper fit of the Speed helmet.

Figure 2



\*Speed Icon Youth and Speed Classic Youth helmets do not include inflatable Crown Pads. If helmet sits too low on head, try a smaller sized helmet. Speed Icon Youth and Speed Classic Youth helmets can be upgraded with inflatable Crown Pads, if desired.

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# SPEED LINER ATTACHMENT/INFLATION POINTS

Figure 3



Crown Pad



Back/Neck/Side Liner



S-Pads  
(Left/Right)

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## ADJUSTING HELMET HEIGHT

If helmet is sitting too low, follow these steps.

- 1) Inflate Crown Pad with Riddell inflation hand pump\*.
- 2) Always use a Riddell inflation needle (5/8" in length) as other inflation needles may damage the liner.
- 3) Lubricate the needle with glycerin before insertion.
- 4) Insert lubricated Riddell inflation needle into Crown Pad (Figure 4).
- 5) Pump Riddell inflation bulb to insert air into Crown Pad to raise the helmet height.

Front of helmet should be approximately 1" above the player's eyebrows.

*Figure 4*



\*Speed Icon Youth and Speed Classic Youth helmets do not include inflatable Crown Pads. If helmet sits too low on head, try a smaller sized helmet. Speed Icon Youth and Speed Classic Youth helmets can be upgraded with inflatable Crown Pads, if desired.

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## ADJUSTING BACK/NECK/SIDE LINER

For a snug, comfortable fit, the skin of the forehead should move with the Front Pad when the helmet is turned side-to-side. If the forehead skin does not move with the Front Pad, the helmet is too loose and should be adjusted. The first recommended adjustment is to inflate the Back/Neck/Side Liner:

- 1) Insert a glycerin-lubricated Riddell needle into the Back/Neck/Side Liner (Figure 5).
- 2) Inflate for a snug, comfortable fit, front-to-back and side-to-side.

*Figure 5*



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## ADJUSTING S-PADS

Inflatable S-Pads should feel snug against the face. If S-Pad feels loose, inflate pads:

- 1) Before addressing S-Pads, make sure all proper adjustments have been made to the Crown Pad and Back/Neck/Side Liner, if needed.
- 2) Insert a glycerin-lubricated Riddell needle into S-Pad (Figure 6).
- 3) Inflate S-Pads equally until snug against the face.

*Figure 6*





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## CONFIRM PROPER FIT

- Never wear a helmet positioned too high or too low (refer to page 5, Figure 2).
- Front of the helmet should be approximately 1" above the player's eyebrows.
- All liners should be in contact with player's head (Figure 7):
  - Interlock hands on top of helmet and press down.
  - Player should feel pressure on crown of head, not brow.
- For a snug, comfortable fit, the skin of the forehead should move with the front pad when the helmet is turned side-to-side.

Figure 7



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## ADJUSTING CHIN STRAP

Speed helmets include either a soft or hard cup chin strap with mid-high hookup.

Have player hold chin cup centered firmly on chin.

### Top Straps:

- Ensure that top straps are fed underneath the facemask.
- Adjust chin strap length through buckles to remove slack.
- Buckle top chin strap into the snaps above ear holes.

### Bottom Straps:

- Adjust chin strap length through buckles to remove slack.
- Buckle top chin strap into the snaps below ear holes.

When buckled, helmet should feel comfortable and snug. Chin straps are available in multiple sizes.

*Figure 8*



# HELMET CARE GUIDE

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## REMOVING LINER ATTACHMENT CAPS

Liner Attachment Caps allow for liners to be quickly attached or removed from the helmet.

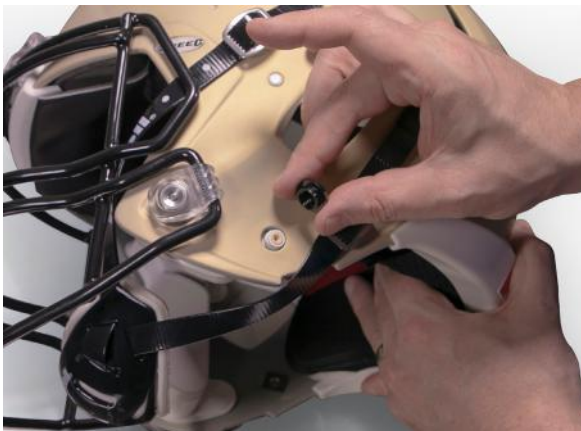
### Removing Liner Attachment Cap(s):

- 1) Turn Liner Attachment Cap counter-clockwise using a flathead screwdriver (Figure 9).
- 2) Pull cap away from helmet, liner can be removed from the interior of the shell (Figure 10).

*Figure 9*



*Figure 10*



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## ATTACHING LINER ATTACHMENT CAPS

- 1) Center liner valve in proper hole in the helmet shell (refer to page 6, Figure 3).
- 2) Place Liner Attachment Cap over hole on outside of the shell.
- 3) Secure valve with Liner Attachment Cap using a flathead screwdriver and turning it clockwise.
- 4) Ensure the liner is secure by pulling on it from the inside of the helmet.
- 5) If secure, do not tighten any further; overtightening may damage the liner stem.

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## AIR FIT LINER SERVICE INSTRUCTIONS

If an air fit liner bladder will not inflate, examine for the following conditions:

- **The valve is missing.** Merely replace it with a new valve (Riddell catalog # R45926). This is done by lubricating the new valve with water or P-80 lubricant (Riddell catalog # R45900) and inserting it into the valve stem with an inflation needle (Riddell catalog # R60120).
- **The valve is damaged.** Remove the valve with needle nose pliers and pull away from valve stem. Replace with new valve (see above).
- **The air fit bladder is damaged.** Proceed with replacing the damaged liner component.

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## REMOVING OVERLINER\*

- 1) Peel Overliner Tabs from under Crown Pad and release Back/Neck/Side Liner Velcro connections.
- 2) Peel Overliner Tabs from behind Back/Neck/Side Liner Velcro connections (Figure 11).
- 3) Slide Overliner away from Back/Neck/Side Liner.

Figure 11



\*Overliners are used for the following models: Speed Icon, Speed Icon Insite, Speed Icon Youth, Speed Icon Youth InSite. *Speed Classic Icon and Speed Classic Youth models do not have Overliners.*

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## REPLACING OVERLINER\*\*

- 1) Place Overliner into helmet.
- 2) Slide Crown Pad into Pocket and engage Velcro to Back/Neck/Side Liner near back bumper.
- 3) Slide the ends of the Back/Neck/Side Liner into Overliner pocket.
- 4) Align Velcro locations and press firmly into place.

*Figure 12*



\*\*Overliner design and/or color may differ.

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## REMOVING S-PADS

- 1) Unscrew S-Pad Attachment Cap (Page 6, Figure 3) from outside of shell.
- 2) Peel S-Pad back to separate top Velcro attachment.
- 3) Pull S-Pad from shell.

## REATTACHING S-PADS

- 1) Place S-Pad in helmet, align valve stem with appropriate hole in helmet shell (Page 6, Figure 3).
- 2) Screw Liner Attachment Cap to secure S-Pad (See Page 12). Do not over tighten.

## REMOVING FRONT PAD

- 1) Grip Front Pad from its top or sides.
- 2) Gently pull Front Pad/Front Pocket downward from Velcro fastener.
- 3) If Front Pad is in a Front Pocket, disengage Front Pocket.
- 4) Remove Front Pad from Front Pocket.

## REATTACHING FRONT PAD

- 1) Insert Front Pad into Front Pocket.
- 2) Swing Front Pocket/Front Pad towards shell.
- 3) Re-engage Front Pocket to Velcro fastener on shell.

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## REMOVING CROWN PAD

- 1) Remove Overliner\* (Page 15).
- 2) Unscrew Crown Pad Liner Attachment Cap (Page 6, Figure 3) from outside of shell.
- 3) Remove Crown Pad from shell.

## REATTACHING CROWN PAD

- 1) Place Crown Pad in helmet, align valve stem with appropriate hole in helmet shell (Page 6, Figure 3).
- 2) Screw Liner Attachment Cap to secure Crown Pad to shell (Page 12). Do not over tighten.
- 3) Replace Overliner\*.

## REMOVING BACK/SIDE LINER

- 1) Remove Liner Attachment Cap (Page 6, Figure 3).
- 2) Remove Overliner\*.
- 3) Remove Back/Side Liner from of shell.

## REATTACHING BACK/SIDE LINER

- 1) Place Back/Side Liner in helmet, align valve stem with appropriate hole in helmet shell (Page 6, Figure 3).
- 2) Screw Liner Attachment Cap to secure Back/Side Liner (Page 12). Do not over tighten.
- 3) Replace Flexliner.

\*Overliners are used in the following models: Speed Icon, Speed Icon Insite, Speed Icon Youth, Speed Icon Youth InSite. *Speed Classic Icon and Speed Classic Youth models do not have Overliners.*



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## HELMET CARE:

### CLEANING AND POLISHING HELMETS

Use only Riddell helmet cleaner and/or wax. Commercial cleaners and polishers may damage the shell or liner system.

- Helmet Care Kit (Riddell catalog #R27503)
  - Available for regular maintenance.
  - Read instructions carefully.
  - Keep away from children.

### PAINTING RIDDELL HELMETS

Use only Riddell paint systems. Commercial paints may damage varsity helmet's polycarbonate alloyed polymer material or youth helmet's ABS plastic material. Failure to comply may compromise the shell's integrity and void shell warranty.

## HELMET WARNINGS

### WARNING

**NO HELMET CAN PREVENT THE SERIOUS HEAD OR NECK INJURIES A PLAYER MIGHT RECEIVE WHILE PARTICIPATING IN FOOTBALL**

Do not use this helmet to butt, ram or spear an opposing player. This is in violation of football rules and such use can result in severe head or neck injuries, paralysis or death to you and possible injury to your opponent.

Contact in football may result in **CONCUSSION-BRAIN INJURY** which no helmet can prevent. Symptoms include: loss of consciousness or memory, dizziness, headache, nausea or confusion. If you have symptoms, immediately stop playing and report them to your coach, trainer and parents. Do not return to a game or practice until all symptoms are gone and you have received **MEDICAL CLEARANCE**. Ignoring this warning may lead to another and more serious or fatal brain injury.

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- 1) Helmet must be properly fitted. See instructions.
  - 2) Do not modify, change or alter helmet in any way.
  - 3) Do not remove labels on helmet.
  - 4) Helmet protection could be reduced by common substances without damage being visible to the user. It is recommended that user employ only factory authorized paints, cleaners, waxes, adhesives, guards and attachments as instructed.

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## HELMET WARRANTIES

The warranty on helmet shells is five (5) years for polycarbonate varsity helmets and three (3) years for ABS youth helmets, provided there has been normal use and proper maintenance. It is recommended that your helmet be reconditioned every year by a Riddell Factory Authorized Reconditioner. Proper maintenance requires reconditioning of your helmet at least every two (2) years by a NOCSAE Licensed Reconditioner using only new factory replacement liners (if required) in the reconditioning process. Evidence of any of the conditions will void this warranty:

- 1) Failure to have the helmet reconditioned at least every two (2) years by a NOCSAE Licensed Reconditioner.
- 2) Installation of used parts instead of new parts whenever a liner replacement is necessary.
- 3) Where shells have been damaged by a chemical reaction from the use of incompatible materials such as:
  - a) Attachment of a guard, facemask or component of another manufacturer or mismatched material.
  - b) Use of cleaners, waxes or paints of another manufacturer or failure to follow recommended cleaning and painting instructions
- 4) Excessive drilling of holes or drilling any new holes less than 1/2" from each other or the edge of the shell.
- 5) Abusive treatments for any use other than the playing of American football.
- 6) Removal of, or obliteration of, the warranty label, date code, or warning labels.

Helmet component parts are warranted to be free of defects in material and workmanship for a period of one (1) year provided there has been normal use and proper maintenance.

This warranty in lieu of all other warranties, expressed or implied whether Statuary or otherwise, including any implied warranties of merchantability or fitness for any particular purpose.

Products covered by these warranties should be returned to the manufacturer, along with evidence of the date of purchase.

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# Riddell®

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R4699

Rev. -

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