

Riddell[®] **SPEEDFLEX**[™]



FITTING INSTRUCTIONS
HELMET CARE GUIDE

FITTING INSTRUCTIONS HELMET CARE GUIDE

**R41195 SpeedFlex
R61195 SpeedFlex InSite
R41196 SpeedFlex Youth
R61196 SpeedFlex Youth InSite**

**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

FITTING INSTRUCTIONS

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)
S	up to 6 1/2	up to 20 3/8"	up to 52cm
M	6 1/2 - 7	20 3/8 - 22"	52 - 56cm
L	7 - 7 1/2	22 - 23 1/2"	56 - 60cm
XL	7 1/2 and up	23 1/2" and up	60cm and up

Figure 1



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/Side Liner.
- 4) If helmet is too low, refer to Page 7: Adjusting Helmet Height.*

Figure 2 shows the proper fit of the SpeedFlex helmet.

Figure 2



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

SPEEDFLEX LINER ATTACHMENT/INFLATION POINTS

Figure 3



Crown Pad



Back/Side Liner



Face Frame Pads
(Left/Right)



Back/Occipital Lock

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



Note: SpeedFlex Youth helmets do not include inflatable Crown Pads. If helmet sits too low on head, try a smaller sized helmet. SpeedFlex Youth helmets can be upgraded with inflatable Crown Pads, if desired.

ADJUSTING BACK/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/Side Liner:

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

Figure 5



ADJUSTING FACE FRAME PADS

Inflatable Face Frame Pads should feel snug against the face. If Face Frame feels loose, inflate pads:

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

Figure 6



ADJUSTING OCCIPITAL LOCK

The skin of the forehead should move with the Front Pad when the helmet is rotated in any combination of forward/backward and up/down. The Occipital Lock should fit snug against the lower area of the back of the head. If there is not a snug fit:

- 1) Insert glycerin lubricated Riddell needle into Occipital Lock.
(Figure 7)
- 2) Inflate for a snug, comfortable fit, with minimal forward and backward helmet rotation.

Figure 7



CONFIRM PROPER FIT

- The skin of the forehead should move with the front pad.
- Front of the helmet should be approximately 1" above the player's eyebrows.
- Never wear a helmet positioned too high or too low
(refer to page 5, Figure 2).
- All liners should be in contact with player's head (Figure 8):
 - Interlock hands on top of helmet and press down.
 - Player should feel pressure on crown of head, not brow.

Figure 8



ADJUSTING TOP CHIN STRAP

- 1) Loosen, but do not remove Strap•Loc screws (Figure 9).
- 2) Have player hold chin cup centered & firmly on chin.
- 3) Glide upper straps through the Strap•Loc to tighten.
- 4) Tighten Strap•Loc screws (Figure 9).

Figure 9



ENGAGING CAM•LOC

- 1) Pull bottom straps toward rear of head (Figure 10) until chin cup is secure on chin.

Figure 10



RELEASING BOTTOM STRAPS

- 1) Position index fingers over the levers located on the Cam•Loc housing on each side of the helmet (Figure 11).
- 2) Press down and hold the lever.
- 3) Use thumbs to pull the chin cup forward and away from the chin to relax the lower straps. Straps will remain within the Cam•Loc housing.

Figure 11



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.

HELMET CARE GUIDE

REMOVING/ATTACHING 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 13).
- 2) Pull cap away from helmet, liner can be removed from the interior of the shell (Figure 14).

Figure 13



Attaching Liner Attachment Cap(s):

- 1) Center liner valve in proper hole in the helmet shell (Figure 14).
- 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 Valve stem.

Figure 14



REMOVING FLEXLINER

- 1) Unsnap Flexliner (Figure 15) from the rear Riddell nameplate.
(Figure 16)
- 2) Peel Flexliner elastic strap from under Crown Pad and release Back/Side Liner Velcro connections.
- 3) Slide Flexliner away from Back/Side Liner.

Figure 15



REPLACING FLEXLINER

- 1) Place Flexliner into helmet.
- 2) Slide elastic strap under Crown Pad.
- 3) Slide Flexliner over the ends of the Back/Side Liner.
- 4) Align Velcro locations and press firmly into place.
- 5) Attach the Flexliner female snaps to the male snaps found on the rear Riddell nameplate (Figure 16).

Figure 16



REMOVING FACE FRAME PADS

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

REATTACHING FACE FRAME PADS

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

REMOVING FRONT PAD

- 1) Lift the Crown Pad and slide the Front Pad tab out from under the Crown Pad.
- 2) Peel Face frame pads back to separate top Velcro attachment.
- 3) Pull Front Pad/Front Pocket from Velcro fastener on shell.
- 4) Flex Front Pad and remove from Front Pocket.

REATTACHING FRONT PAD

- 1) Peel Face Frame Pads back to separate top Velcro attachment.
- 2) Insert Front Pad into Front Pocket, the Velcro hook should be pointed outward, away from the Front Pocket.
- 3) Lift the Crown Pad and slide the Front Pad tab underneath the Crown Pad.
- 4) Hold Front Pad in place and press on outside of helmet shell to engage Velcro fasteners.

REMOVING CROWN PAD

- 1) Remove Flexliner (Page 13).
- 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 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 Flexliner.

REMOVING BACK/SIDE LINER

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

REATTACHING BACK/SIDE LINER

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

REMOVING OCCIPITAL LOCK

- 1) Remove Liner Attachment Cap (Page 6, Figure 3).
- 2) Unsnap Flexliner and pull away from rear Riddell nameplate.
- 3) Remove Occipital Lock from shell.

REATTACHING OCCIPITAL LOCK

- 1) Slide Occipital Lock over the back of shell so the liner is positioned on the inside and the bumper is on the outside.
- 2) Align valve with appropriate hole in helmet shell (Page 6, Figure 3).
- 3) Screw Liner Attachment Cap to secure Occipital Lock (Page 12). Do not over tighten.
- 4) Position and snap Flexliner to rear Riddell nameplate.

REMOVING CHIN STRAPS

- 1) Loosen, but do not remove, Strap•Loc screws.
- 2) Pull upper strap through Strap•Loc.
- 3) Turn Thumb Screw (located behind the Cam•Loc housing, Figure 17) counter-clockwise to loosen the screw.
- 4) A 15/16" socket or Riddell Quick Release™ tool (Riddell catalog #R2764022) can be used to loosen the Thumb Screw.
- 5) Pull Cam•Loc housing away from exterior of shell.

Figure 17



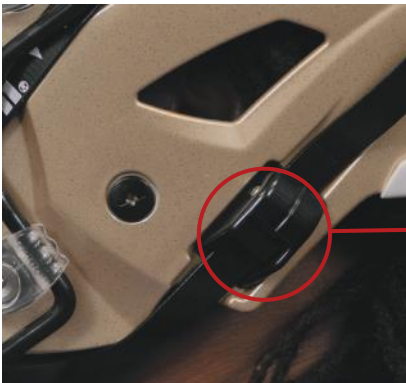
REPLACING CHIN STRAPS

- 1) Loosen, but do not remove, the screw on the Strap•Loc.
- 2) Twist upper straps 180 degrees as shown in Figure 18.
- 3) Thread upper straps through Strap•Loc; once in desired position, tighten Strap•Loc (Page 10, Figure 9).
- 4) Center Cam•Loc housing over the rectangle-shaped cutout on the exterior of the shell (Figure 19).
- 5) Align the Thumb Screw from interior side of shell with the underside of the Cam•Loc housing (Figure 17).
- 6) Turn Thumb Screw clockwise and tighten by hand.
- 7) A 15/16" socket or Riddell Quick Release™ tool (Riddell catalog #R2764022) is used to further tighten Thumb Screw.

Figure 18



Figure 19



Cam•Loc Housing

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.

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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7501 Performance Lane
North Ridgeville, OH 44039
1-800-275-5338

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