



# Adult Football Helmet Detailed Ratings


May 2011

A total of 10 adult football helmet models were evaluated using the STAR evaluation system for May 2011 release. All 10 are publically available at the time of publication. Helmets with lower STAR values offer better protection against concussion injuries compared to helmets with higher STAR values. Based on this, the best overall rating of '5 Stars' has the lowest STAR value. Group rankings are differentiated by statistical significance.

The tables below provide additional information describing when, where, and for how much each helmet was purchased. Three helmets of each model were evaluated using the STAR evaluation. The overall STAR value is an average of the three helmets' individual STAR values.

Riddell Revolution Speed		Best Available: ★★★★★					
Helmet ID	Size	Cost	Date Purchased	Purchased From	STAR Value	Overall STAR	
 SPEED1	Adult Large	\$243.99	3/7/2011	riddell.com	0.303	0.297	
SPEED2	Adult Large	\$243.99	3/7/2011	riddell.com	0.278		
SPEED3	Adult Large	\$243.99	3/7/2011	riddell.com	0.309		

Schutt ION 4D		Very Good: ★★★★★					
Helmet ID	Size	Cost	Date Purchased	Purchased From	STAR Value	Overall STAR	
 ION1	Adult Large	\$259.95	12/15/2010	footballamerica.com	0.391	0.351	
ION2	Adult Large	\$259.95	1/13/2011	sportsunlimitedinc.com	0.337		
ION3	Adult Large	\$259.95	1/13/2011	sportsunlimitedinc.com	0.324		

Schutt DNA Pro +		Very Good: ★★★★★					
Helmet ID	Size	Cost	Date Purchased	Purchased From	STAR Value	Overall STAR	
 DNAP1	Adult Large	\$169.95	3/7/2011	sportsunlimitedinc.com	0.337	0.352	
DNAP2	Adult Large	\$169.95	3/7/2011	sportsunlimitedinc.com	0.355		
DNAP3	Adult Large	\$169.95	3/7/2011	sportsunlimitedinc.com	0.364		

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## Xenith X1

Very Good:



Helmet ID	Size	Cost	Date Purchased	Purchased From	STAR Value	Overall STAR
XEN1	Adult Large	\$299.99	12/15/2010	hitrunscore.com	0.397	0.356
XEN2	Adult Large	\$299.99	1/13/2011	hitrunscore.com	0.350	
XEN3	Adult Large	\$299.99	1/13/2011	hitrunscore.com	0.322	

## Riddell Revolution

Very Good:



Helmet ID	Size	Cost	Date Purchased	Purchased From	STAR Value	Overall STAR
REVO1	Adult Large	\$182.99	12/15/2010	riddell.com	0.355	0.362
REVO2	Adult Large	\$182.99	1/18/2011	riddell.com	0.364	
REVO3	Adult Large	\$182.99	1/18/2011	riddell.com	0.367	

## Riddell Revolution IQ

Very Good:



Helmet ID	Size	Cost	Date Purchased	Purchased From	STAR Value	Overall STAR
IQ1	Adult Large	\$222.99	3/7/2011	riddell.com	0.366	0.369
IQ2	Adult Large	\$222.99	3/7/2011	riddell.com	0.367	
IQ3	Adult Large	\$222.99	3/7/2011	riddell.com	0.375	

## Schutt Air XP

Good:



Helmet ID	Size	Cost	Date Purchased	Purchased From	STAR Value	Overall STAR
AXP1	Adult Large	\$179.95	3/7/2011	sportsunlimitedinc.com	0.442	0.434
AXP2	Adult Large	\$179.95	3/7/2011	sportsunlimitedinc.com	0.423	
AXP3	Adult Large	\$179.95	3/7/2011	sportsunlimitedinc.com	0.437	

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## Schutt Air Advantage

Adequate:



Helmet ID	Size	Cost	Date Purchased	Purchased From	STAR Value	Overall STAR
AA1	Adult Large	\$159.99	3/7/2011	sportsunlimitedinc.com	0.680	<b>0.678</b>
AA2	Adult Large	\$159.99	3/7/2011	sportsunlimitedinc.com	0.749	
AA3	Adult Large	\$159.99	3/7/2011	sportsunlimitedinc.com	0.604	

## Riddell VSR4

Marginal:



Helmet ID	Size	Cost	Date Purchased	Purchased From	STAR Value	Overall STAR
VSR1	Adult Large	N/A	---	---	0.843	<b>0.791</b>
VSR2	Adult Large	N/A	---	---	0.786	
VSR3	Adult Large	N/A	---	---	0.744	

## Adams A2000 Pro Elite

Not Recommended:

NR



Helmet ID	Size	Cost	Date Purchased	Purchased From	STAR Value	Overall STAR
PROE1	Adult Large	\$159.95	12/15/2010	hitrunscore.com	1.620	<b>1.700</b>
PROE2	Adult Large	\$199.95	1/13/2011	sportsunlimitedinc.com	1.865	
PROE3	Adult Large	\$199.95	1/13/2011	sportsunlimitedinc.com	1.615	

**Note:** Any player in any sport can sustain a head injury with even the very best head protection. This analysis is based on data trends and probabilities, and therefore a specific person's risk may vary. This variation is likely dominated by genetic differences, health history, and impact factors such as muscle activation.