VirginiaTech Helmet Ratings

Adult Football Helmet Ratings

May 2012

A total of 15 adult football helmet models that have been evaluated using the STAR evaluation system are included in the May 2012 Virginia Tech Helmet Ratings™. All 15 helmets included in the ratings have been made available to consumers at the time of publication. Helmets with lower STAR values provide a reduction in concussion risk 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 pre-determined thresholds.

5 Stars: Best Available ★★★★★

Riddell 360

STAR Value: 0.239

Cost: $374.95

Rawlings Quantum Plus

STAR Value: 0.245

Cost: $250.00

Riddell Revolution Speed

STAR Value: 0.297

Cost: $243.99

4 Stars: Very Good ★★★★

Schutt ION 4D

STAR Value: 0.351

Cost: $259.95

Schutt DNA Pro +

STAR Value: 0.352

Cost: $169.95

Rawlings Impulse

STAR Value: 0.355

Cost: $159.00

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4 Stars: Very Good (continued) ★★★★

Xenith X1

STAR Value: 0.356

Cost: $299.99

Riddell Revolution

STAR Value: 0.362

Cost: $182.99

Rawlings Quantum

STAR Value: 0.364

Cost: $200.00

Riddell Revolution IQ

STAR Value: 0.369

Cost: $222.99

3 Stars: Good ★★★

Schutt Air XP

STAR Value: 0.434

Cost: $179.95

Xenith X2

STAR Value: 0.477

Cost: $220.00

2 Stars: Adequate ★★

Schutt Air Advantage

STAR Value: 0.678

Cost: $159.99

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1 Star: Marginal

Riddell VSR4

STAR Value: 0.791
Cost: Not Applicable
Used helmets were tested to provide a reference

NR: Not Recommended

Adams A2000 Pro Elite

STAR Value: 1.700

Cost: $199.95

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.