

## ABOUT CRASCHE

The Crasche® mid-length hat, or the Crasche Middie™, provides the head protection that is needed for girls lacrosse.

The Crasche Middie™ does not cover the entire head. The players have requested the open top, and we have responded, since no head protection is beneficial unless the girls actually wear it.

*The Crasche Middie™ is not designed to replace a helmet, but it is a lot better than nothing on your head. It is three-and-a-half inches high, and will fit snugly against the top of the goggles.*



# CRASCHE®

THE FUTURE OF PROTECTIVE  
HEADGEAR FOR  
**GIRLS LACROSSE**

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# CRASCHE

PROTECTIVE HEADGEAR FOR  
**GIRLS LACROSSE**

Designed With Style...  
Engineered For Protection.

Now available at [www.crasche.com](http://www.crasche.com)

# The following tables describe the independent laboratory test results for the Crasche® hat:

*Full laboratory results are available upon request.*

## LACROSSE CROSS-IMPACT TEST RESULTS

### CONCLUSION:

The Crasche® lacrosse hat reduces the severity of stick-to-head impact by 90%.

Sample #	Impact Location	Cross Velocity (MPH)	Severity Index	Peak G
Bare Headform	Side	38.19	1051	188
Size Small	Side	39.94	68	49
Size Large	Side	38.64	8	24

## LACROSSE BALL IMPACT TEST RESULTS:

Required Velocity: 78 mph +/- 3%

### CONCLUSION:

The Crasche Middie™ reduces the severity of ball-to-head impact at ball speeds up to 78 mph, to below 300 on the Severity Index.

Sample #	Impact Location	Ball Velocity (MPH)	Severity Index	Peak G
Middie	1	78.8	200	149
Middie	2	78.9	268	176

## CUSTOM R&D CONTRACT TESTING:

**Objective:** Custom R&D Contract testing per client's specifications to establish if the product increases the likelihood of injury of a player not wearing the product when a collision occurs with a player wearing the product.

Impact Location	Sample ID	Velocity (mph)	Force Exerted (N)	Force Reduction (%)	Force Reduction (N)
Front	Bare Headform	15.863	28397.2	16	4544.7
	Middie	15.769	23852.5		
Front Right Boss	Bare Headform	15.790	27560.4	17.4	4796.0
	Middie	15.859	22764.4		
Right Side	Bare Headform	15.778	30088.1	15.5	4663.1
	Middie	15.673	25425.0		
Rear	Bare Headform	15.832	31663.3	18.3	5781.4
	Middie	15.761	25881.9		

### CONCLUSION:

The Crasche Middie™ presents no danger to other players.

## REMOVABLE PROTECTIVE INSERTS

The head gear is three-and-a-half inches high with a cotton terry inner liner for comfort against the skin, covered by a nylon spandex outer layer. The protective inserts are designed to be easily removed and re-inserted. The scunci in front and back allows for the Crasche Middie™ to be easily attached to the protective goggles for a more secure fit.



## IMPACT-RESISTANT MID-LENGTH HAT - HOW IT WORKS

The outer layer of the insert is composed of an extremely strong polycarbonate plastic, the same material used to make bulletproof glass. The inner layers are composed of neoprene rubber, the same skin-friendly material used in making wet suits. The inner layer of neoprene rubber has trapped air in the rubber itself, and also in the larger air chambers. These air chambers help cushion the impact, and help spread the force of the impact over the entire protective insert.



**ONLY \$27.95**

To shop online or learn more about the Crasche Middie™, visit [www.crasche.com](http://www.crasche.com).

Contact customer service for bulk orders or special orders.