



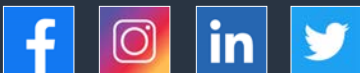
# SPORTSFIELD SPECIALTIES

EXCELLENCE FROM DESIGN TO INSTALLATION



## NETTING SYSTEMS CATALOG

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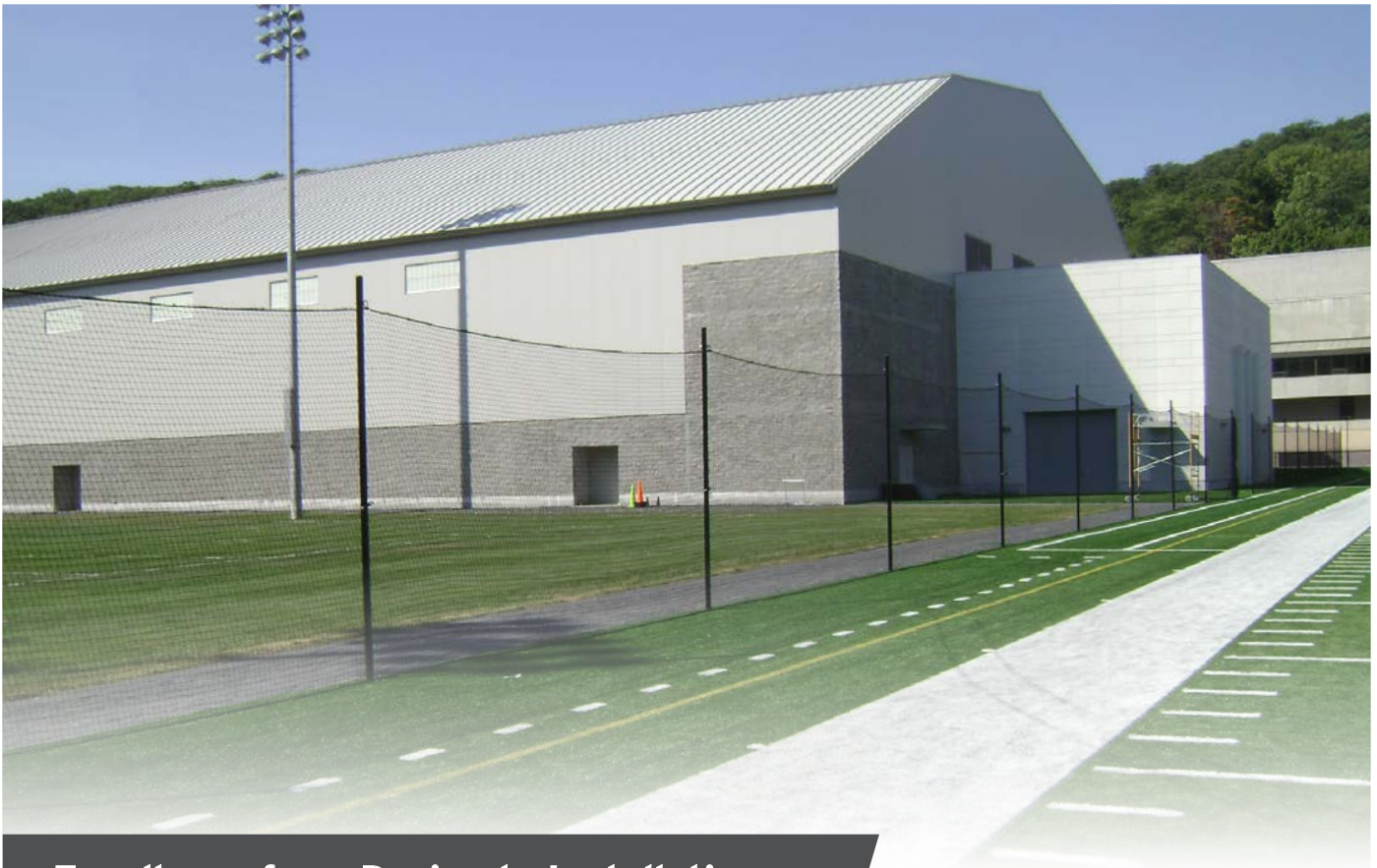


## Welcome to Sportsfield Specialties, Inc.

Since 1998, Sportsfield Specialties, Inc. has been the innovative leader in the manufacture and sale of athletic field equipment for high school, college, and professional levels of competition. With over 30 patents awarded for their game-changing designs, Sportsfield is integral to moving the sports construction and venue renovation industries forward. Our commitment to client-centered service, strategic partnerships, and building world-class equipment gives customers the highest level of confidence that their facility will look great and function efficiently using Sportsfield equipment

Sportsfield's motto is Excellence from Design to Installation and from first contact, our sales team is ready to help you select the best solutions for your unique facility. At Sportsfield, our in-house engineers are integral to finding custom solutions that address regional elements such as wind load and soil conditions. We don't stop there! We're also committed to certified excellence and work with 3rd party testing agencies to ensure products like our Ultra Cross® Knotless Baseball Netting Systems and Zone® Outdoor Wall Pads function at the top of their game.





**Excellence from Design to Installation**



## Lacrosse Netting Systems

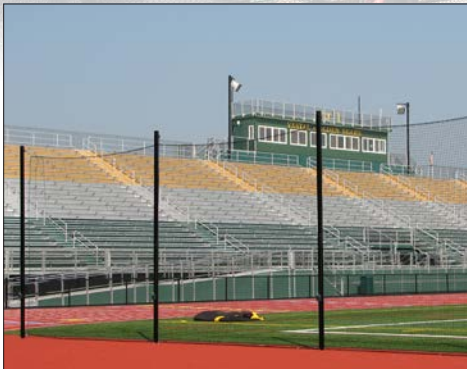
### Product Overview

- Industry leading provider of protective netting solutions
- 8' to 10' heights commonly used for lacrosse and field hockey applications
- 2" schedule 80 (2-3/8"O.D.) aluminum poles
- Black super durable powder coated finish
- Black #36 gauge nylon, 1-3/4" square mesh net
- Ground sleeves and corresponding caps permit optional removal

Item Number	Product Description
BSS28	Semi-permanent lacrosse netting system, ground sleeve inserted - 8'H
BSS210	Semi-permanent lacrosse netting system, ground sleeve inserted - 10'H
BSS28PT	Portable lacrosse netting system - 8'H
BSS210PT	Portable lacrosse netting system - 10'H
BSS210CRT	Lacrosse netting pole and hardware transport cart



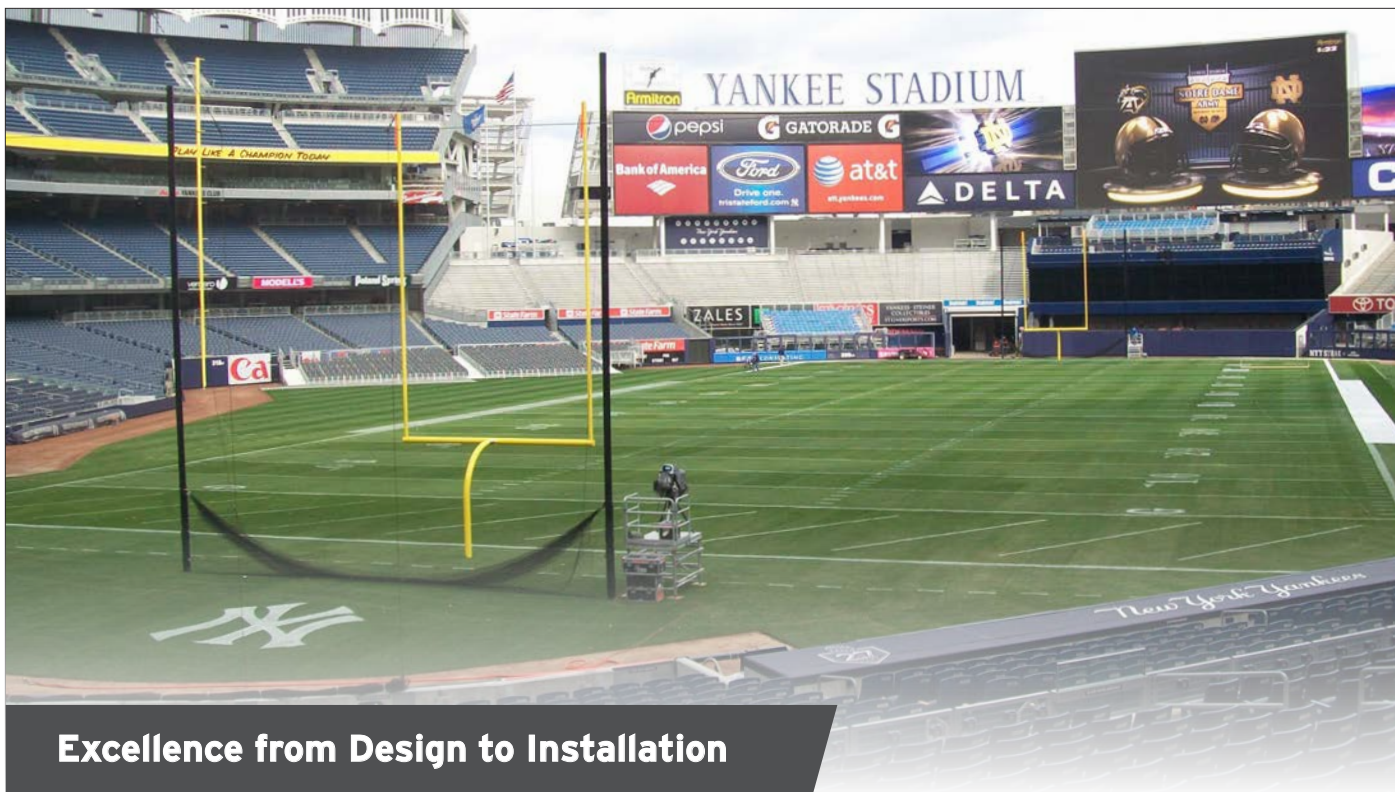
## StormGuard® Multi-Sport Netting Systems



### Product Overview

- Industry-leading provider of protective netting solutions
- Patented StormGuard® break-away technology prevents extreme weather failures
- 12' to 40' standard heights commonly used for multi-sport applications
- Easily raise and lower net with convenient pulley and slide-cable system
- Professionally pre-engineered to meet ASCE 7-10 wind rating up to 105 MPH
- Black super durable powder coated aluminum or steel poles
- Black #36 gauge nylon, 1-3/4" square mesh netting material
- Available with stamped drawings and calculations by a licensed professional engineer
- U.S. Patent #9,017,190 and #9,586,123

Item Number	Product Description
BSS412	Straight pole semi-permanent netting system, ground sleeve inserted - 12'H x 4" Dia.
BSS412A	Arc pole semi-permanent netting system, ground sleeve inserted - 12'H x 4" Dia.
BSS415	Straight pole semi-permanent netting system, ground sleeve inserted - 15'H x 4" Dia.
BSS415A	Arc pole semi-permanent netting system, ground sleeve inserted - 15'H x 4" Dia.
BSS420	Straight pole semi-permanent netting system, ground sleeve inserted - 20'H x 4" Dia.
BSS420A	Arc pole semi-permanent netting system, ground sleeve inserted - 20'H x 4" Dia.
BSS625	Straight pole semi-permanent netting system, ground sleeve inserted - 25'H x 6-5/8" Dia.
BSS625A	Arc pole semi-permanent netting system, ground sleeve inserted - 25'H x 6-5/8" Dia.
BSS630	Straight pole semi-permanent netting system, ground sleeve inserted - 30'H x 6-5/8" Dia.
BSS630A	Arc pole semi-permanent netting system, ground sleeve inserted - 30'H x 6-5/8" Dia.
BSS635	Straight pole semi-permanent netting system, ground sleeve inserted - 35'H x 6-5/8" Dia.
BSS635A	Arc pole semi-permanent netting system, ground sleeve inserted - 35'H x 6-5/8" Dia.
BSS640	Straight pole semi-permanent netting system, ground sleeve inserted - 40'H x 6-5/8" Dia.
BSS640A	Arc pole semi-permanent netting system, ground sleeve inserted - 40'H x 6-5/8" Dia.



**Excellence from Design to Installation**



## Football Netting Systems

### Product Overview

- Industry leading provider of protective netting solutions
- Designed for football applications to catch field goals & PATs
- 40' to 60' spacing prevents poles from entering kicker's line of sight
- Black super durable powder coated steel poles with ground sleeves
- Black 4" square mesh net with sewn perimeter binding
- Easily raise and lower net via pulley and vertical slide cable system

Item Number	Product Description
FSNS63040	Football safety netting system - 30'H x 40'W
FSNS64040	Football safety netting system - 40'H x 40'W
FSNS64050	Football safety netting system - 40'H x 50'W
FSNS64540	Football safety netting system - 45'H x 40'W
FSNS64550	Football safety netting system - 45'H x 50'W
FSNS85040	Football safety netting system - 50'H x 40'W
FSNS85050	Football safety netting system - 50'H x 50'W
FSNS106040	Football safety netting system - 60'H x 40'W
FSNS106050	Football safety netting system - 60'H x 50'W
FSNS106060	Football safety netting system - 60'H x 60'W



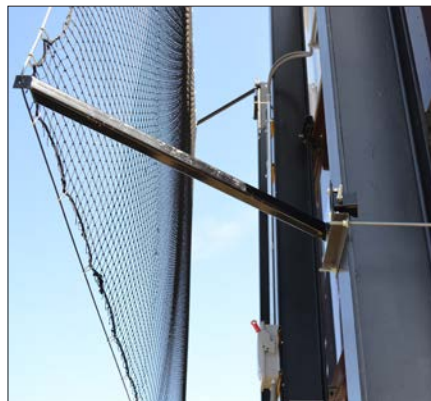
## Scoreboard Netting Systems

### Product Overview

- Custom netting systems protect front or rear of scoreboards & video boards
- Prevents indentations and hardware damage caused by balls or implements
- Ultra Cross® Knotless Netting barrier provides 95% see-through visibility
- Systems typically designed with an 18" net offset and 12" of border tolerance
- Features custom support arms with I-beam clamps and tensioned cabling
- Custom designs are adaptable to nearly all scoreboard sizes and applications
- Protect your long-term investment without compromising visibility and function
- Please contact our Sales team for more information!

**Excellence from Design to Installation**

Item Number	Product Description
SBNS	Custom scoreboard netting





## Tension Netting Systems

### Product Overview

- Industry-leading provider of protective netting solutions
- Ideal for baseball / softball backstops and multi-use perimeter barrier netting
- Standard and custom systems offered with cable tie-back and pole-to-pole styles
- Pre-engineered steel poles finished with super durable black powder coat
- Choose premium Ultra Cross® knotless Dyneema® netting or #36 nylon netting
- Protective netting system designs suitable for all applications and levels of play
- Patented egress option provides a retractable entryway built into the system
- Cabling designed with galvanized aircraft cable or EverSteel™-X Dyneema® rope
- Available with stamped drawings and calculations by a licensed professional engineer

Item Number	Product Description
TNPPBUC	Standard pole-to-pole tension baseball backstop netting system with Ultra Cross® net - 40'H x 120'L
TNPPB36	Standard pole-to-pole tension baseball backstop netting system with #36 nylon net - 40'H x 120'L
TNPPSUC	Standard pole-to-pole tension softball backstop netting system with Ultra Cross® net - 30'H x 80'L
TNPPS36	Standard pole-to-pole tension softball backstop netting system with #36 nylon net - 30'H x 80'L
TNPPUC	Custom pole-to-pole tension netting system with Ultra Cross® net
TNPPUCG	Custom pole-to-pole tension netting system with Field Green Ultra Cross® net
TNPP36	Custom pole-to-pole tension netting system with #36 nylon net
PESTNPP	Stamped drawings and calculations by a licensed professional engineer for pole-to-pole netting systems
TNTBBUC	Standard tie-back tension baseball backstop netting system with Ultra Cross® net - 40'H x 120'L
TNTBB36	Standard tie-back tension baseball backstop netting system with #36 nylon net - 40'H x 120'L
TNTBSUC	Standard tie-back tension softball backstop netting system with Ultra Cross® net - 30'H x 80'L
TNTBS36	Standard tie-back tension softball backstop netting system with #36 nylon net - 30'H x 80'L
TNTBUC	Custom tie-back tension baseball /softball backstop netting system with Ultra Cross® net
TNTBUCG	Custom tie-back tension baseball /softball backstop netting system with Field Green Ultra Cross® net
TNTB36	Custom tie-back tension baseball /softball backstop netting system with #36 nylon net
PESTNTB	Stamped drawings and calculations by a licensed professional engineer for tie-back netting systems



## Net Options

Item	Product Description
BSSNUC	Black Ultra Cross® knotless Dyneema® 1-3/4" sq. mesh net
BSSNUCG	Field Green Ultra Cross® knotless Dyneema® 1-3/4" sq. mesh net
BSSN36	Black #36 gauge twisted, knotted nylon 1-3/4" sq. mesh net

## NEW! Golf Netting Systems

### Product Overview

- Excellent barrier netting for golf applications
- Systems engineered up to 80' height
- Black super durable powder coated steel poles with ground sleeves
- Black 7/8" square mesh net with sewn perimeter binding
- Call for details!



## Tension Netting with Integrated Wall Pad Backstop

### Product Overview

- Winner of American Sports Builders Association (ASBA) Game Changer Award!
- Seamlessly combines protective netting and a wall pad backstop into a single system
- Allows design professionals the ability to create a clean look while streamlining installation
- Pre-manufactured construction saves 15-40% on cost over conventional construction methods
- Unsightly hardware is concealed for a clean and professional look on and off the field
- Available in a variety of colors with custom digitally printed graphics and lettering
- End-users love the ease of swapping out custom logo pads at multi-team venues
- Black stained and sealed 1/2" MDO composite backer board panels

Item Number	Product Description
TNPPUCWPB	Custom pole-to-pole tension backstop netting system with integrated wall pad and Ultra Cross® net
TNPP36WPB	Custom pole-to-pole tension backstop netting system with integrated wall pad and #36 nylon net
TNTBUCWPB	Custom tie-back tension backstop netting system with integrated wall pad and Ultra Cross® net
TNTB36WPB	Custom tie-back tension backstop netting system with integrated wall pad and #36 nylon net
PESTNPP	Stamped drawings and calculations by a licensed professional engineer for pole-to-pole netting systems







## Ultra Cross® Knotless Netting

### Product Overview

- Sportsfield is the exclusive provider of Ultra Cross® baseball netting
- Manufactured with UHMWPE Dyneema®, considered "The World's Strongest Fiber"
- Knotless, low-profile design gives spectators industry-leading 95% see-through visibility
- Specifically designed to deliver superior strength and performance over conventional netting
- Unique intersection eliminates 30-60% strength loss experienced by knotted synthetic fibers
- Four-strand braided twine is proven to be stronger than two-strand twisted alternatives
- Improved dimensional stability relative to knots that will tighten and distort over time
- Lightweight with 95% open-area results in less wind load and stress on the system
- Performance characteristics are backed by 3rd party testing and certification

**Engineered Safety. Uncompromised Visibility**


## Ultra Cross® Baseball Impact Test

In March of 2021, Sportsfield Specialties contracted Innovative Test Solutions (ITS) of Schenectady, NY to conduct impact testing on our Ultra Cross® Knotless Netting. Our goal was to see just how many powerful hits our industry-leading product could handle!

To simulate a field installation, a scaled down netting system model was constructed to replicate a full-scale system. This cable suspended system consisted of four constraint cables, located at each edge of a 10'x10' 1.2 mm knotless Ultra Cross® Dyneema® netting panel. The net was then lashed to the cables with a combination of zip ties and braided rope. Once the system was in place, a series of standard baseballs was fired at the net from a dramatic 10' distance using a high-powered pitching machine with ball speeds averaging at 100mph. Here are the results:

Test Date	Distance (ft)	Ball Impacts	Avg Speed (mph)	Comments
3/15/2021	10	4795	100MPH	Net Failed after 4795 ball impacts. Ball passed through main target point breaking two netting strands. The cable were retightened, as needed, during testing.

Eng/Tech:   
Jacob Fisher

Data Check:   
Lou Fiorini

Quality Manager:   
Sam Acevedo



ULTRA CROSS® NETTING TOOK NEARLY  
**5000 HITS!**

# Ultra Cross® Visibility & Wind Load Study

Ultra Cross® possesses the highest open-area percentage, providing industry-leading 95% see-through visibility and the lowest wind loads available in the market. **Our results are certified** -- Just take a look at the comparative analysis conducted by Delta Engineers, Architects, and Land Surveyors.

#12 Knotted Dyneema®



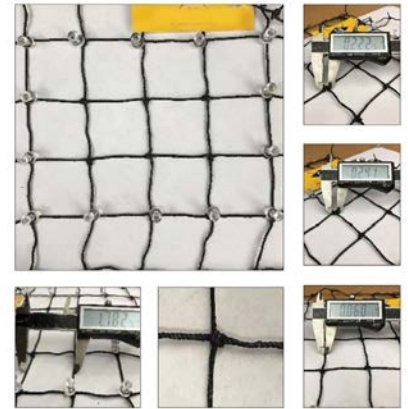
Joint Area (in<sup>2</sup>) 0.206 x 0.265 = 0.546  
 Overall Area (in<sup>2</sup>) (1.791 - 0.063)<sup>2</sup> = 2.986  
 Open Area [1.791 - (0.063 x 2)]<sup>2</sup> - 0.546 = 2.718

Pro-9 Knotted Dyneema®



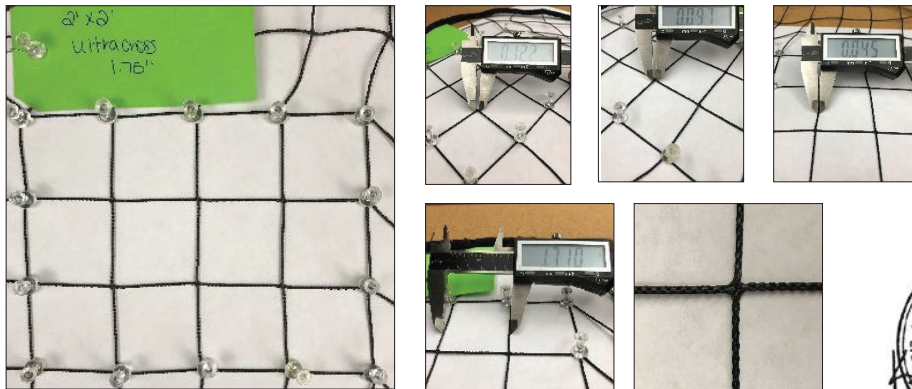
Joint Area (in<sup>2</sup>) 0.115 x 0.243 = 0.0279  
 Overall Area (in<sup>2</sup>) (1.753 - 0.044)<sup>2</sup> = 2.921  
 Open Area (in<sup>2</sup>) [1.753 - (0.044 x 2)]<sup>2</sup> - 0.02794 = 2.744

#18 Knotted Dyneema®



Joint Area (in<sup>2</sup>) 0.222 x 0.241 = 0.0535  
 Overall Area (in<sup>2</sup>) (1.7282 - 0.060)<sup>2</sup> = 2.965  
 Open Area (in<sup>2</sup>) [1.782 - (0.060 x 2)]<sup>2</sup> - 0.535 = 2.708

## Ultra Cross® Knotless Dyneema®



Joint Area (in<sup>2</sup>) (0.122 x 0.097) - 0.045<sup>2</sup> = 0.0098  
 Overall Area (in<sup>2</sup>) (\*1.749 - 0.045)<sup>2</sup> = 2.903  
 Open Area (in<sup>2</sup>) [\*1.749 - (0.045 x 2)]<sup>2</sup> - 0.0098 = 2.742

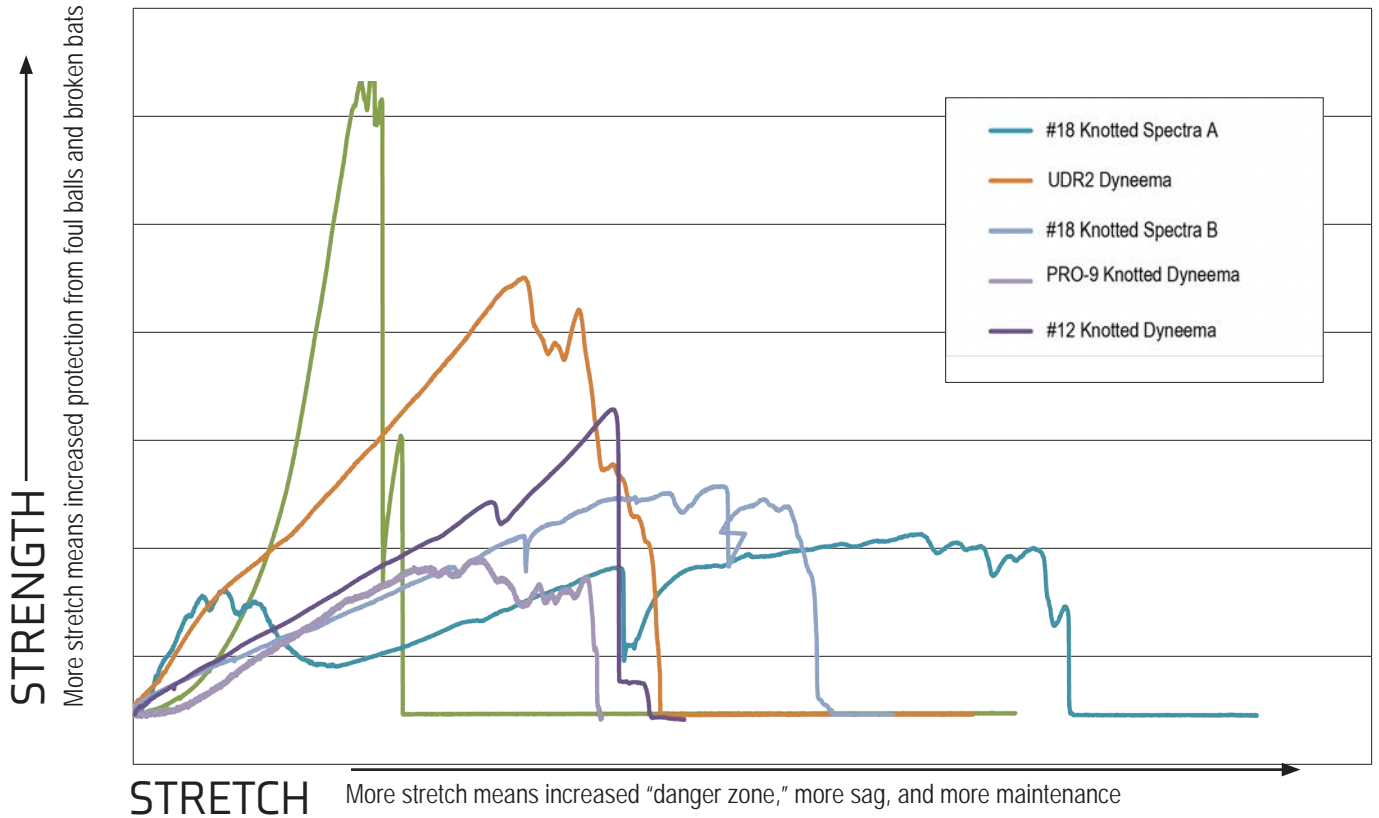
\*1.749" = Avg across entire netting sample ↑



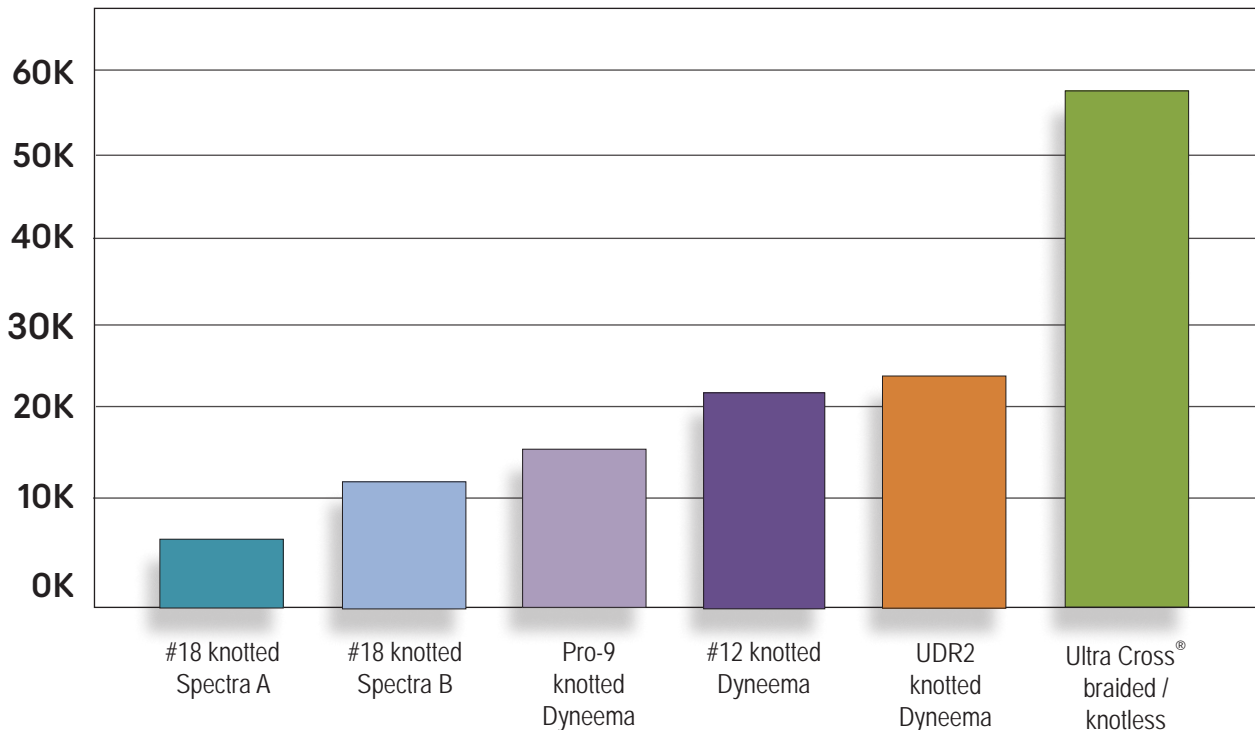
	Strand Thickness (In)	Joint Area (In <sup>2</sup> )	Overall Area (In <sup>2</sup> )	Open Area (In <sup>2</sup> )	% Open Area
#18 Knotted	.060	0.05350	2.965	2.708	91.3%
Pro-9 Knotted	.044	0.02794	2.921	2.744	93.9%
#12 Knotted Dyneema	0.045	0.0546	2.986	2.718	91.0%
Ultra Cross® Knotless	<b>.045</b>	<b>0.0098</b>	<b>2.900</b>	<b>2.739</b>	<b>94.5%</b>

(all measured values, photographs do not show all values for calculations)

## Ultra Cross® Tensile Load vs. Displacement Comparison

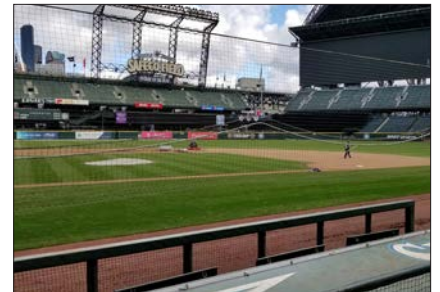
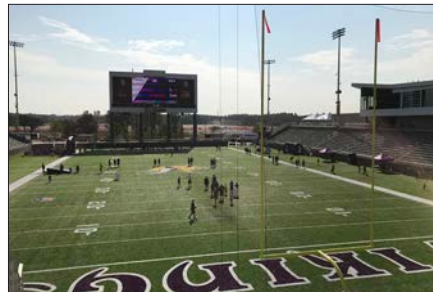


## Effective Break Strength (PSI)





## Our Ultra Cross® Clients Include



Atlanta Falcons  
Baltimore Orioles  
Boston Red Sox  
Chicago White Sox  
Cincinnati Reds  
Colorado Rockies  
Denver Broncos  
Detroit Tigers  
Houston Astros  
Kentucky

Los Angeles Angels  
Miami Marlins  
Michigan  
Milwaukee Brewers  
Minnesota Twins  
Minnesota Vikings  
New York Yankees  
Notre Dame  
Oakland A's  
Oklahoma State  
Philadelphia Phillies

San Diego Padres  
San Francisco Giants  
Seattle Mariners  
St. Louis Cardinals  
Tampa Bay Rays  
Toronto Blue Jays  
UCONN  
Virginia Tech  
Wake Forest  
Washington Nationals









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