

SPORTSFIELD SPECIALTIES

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www.sportsfield.com | 888-975-3343



Tension Netting Systems



Sportsfield Specialties, Inc. 41155 State Hwy 10. Delhi, NY 13753

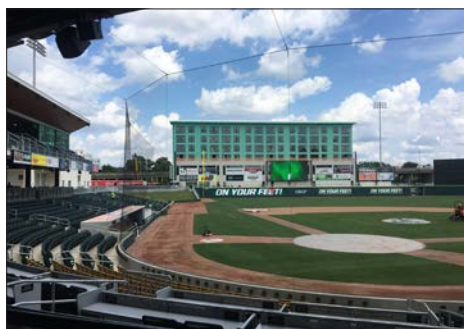


TENSION NETTING SYSTEMS

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 Number	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

TENSION NETTING WITH INTEGRATED WALL PAD BACKSTOP



PRODUCT OVERVIEW

- Winner of American Sports Builders Association (ASBA) Game Changer Award!
- Seamlessly combines protective netting components 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



NEW! GOLF NETTING SYSTEMS

- 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

Item Number	Product Description
CALL FOR DETAILS	Standard and custom Golf 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®



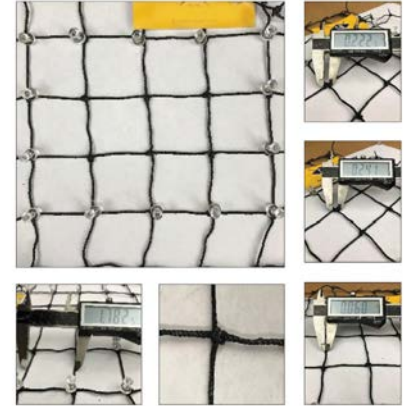
Joint Area (in²) 0.206 x 0.265 = 0.546
 Overall Area (in²) (1.791 - 0.063)² = 2.986
 Open Area [1.791 - (0.063 x 2)]² - 0.546 = 2.718

Pro-9 Knotted Dyneema®



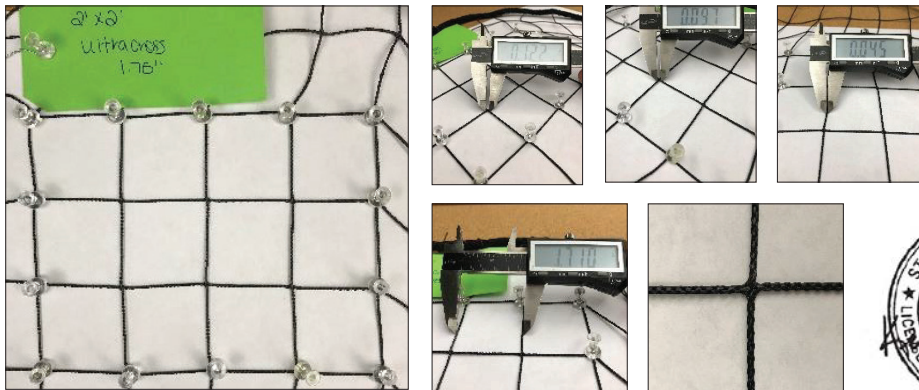
Joint Area (in²) 0.115 x 0.243 = 0.0279
 Overall Area (in²) (1.753 - 0.044)² = 2.921
 Open Area (in²) [1.753 - (0.044 x 2)]² - 0.02794 = 2.744

#18 Knotted Dyneema®



Joint Area (in²) 0.222 x 0.241 = 0.0535
 Overall Area (in²) (1.782 - 0.060)² = 2.965
 Open Area (in²) [1.782 - (0.060 x 2)]² - 0.535 = 2.708

Ultra Cross® Knotless Dyneema®



Joint Area (in²) (0.122 x 0.097) - 0.045² = 0.0098
 Overall Area (in²) (*1.749 - 0.045)² = 2.903
 Open Area (in²) [*1.749 - (0.045 x 2)]² - 0.0098 = 2.742

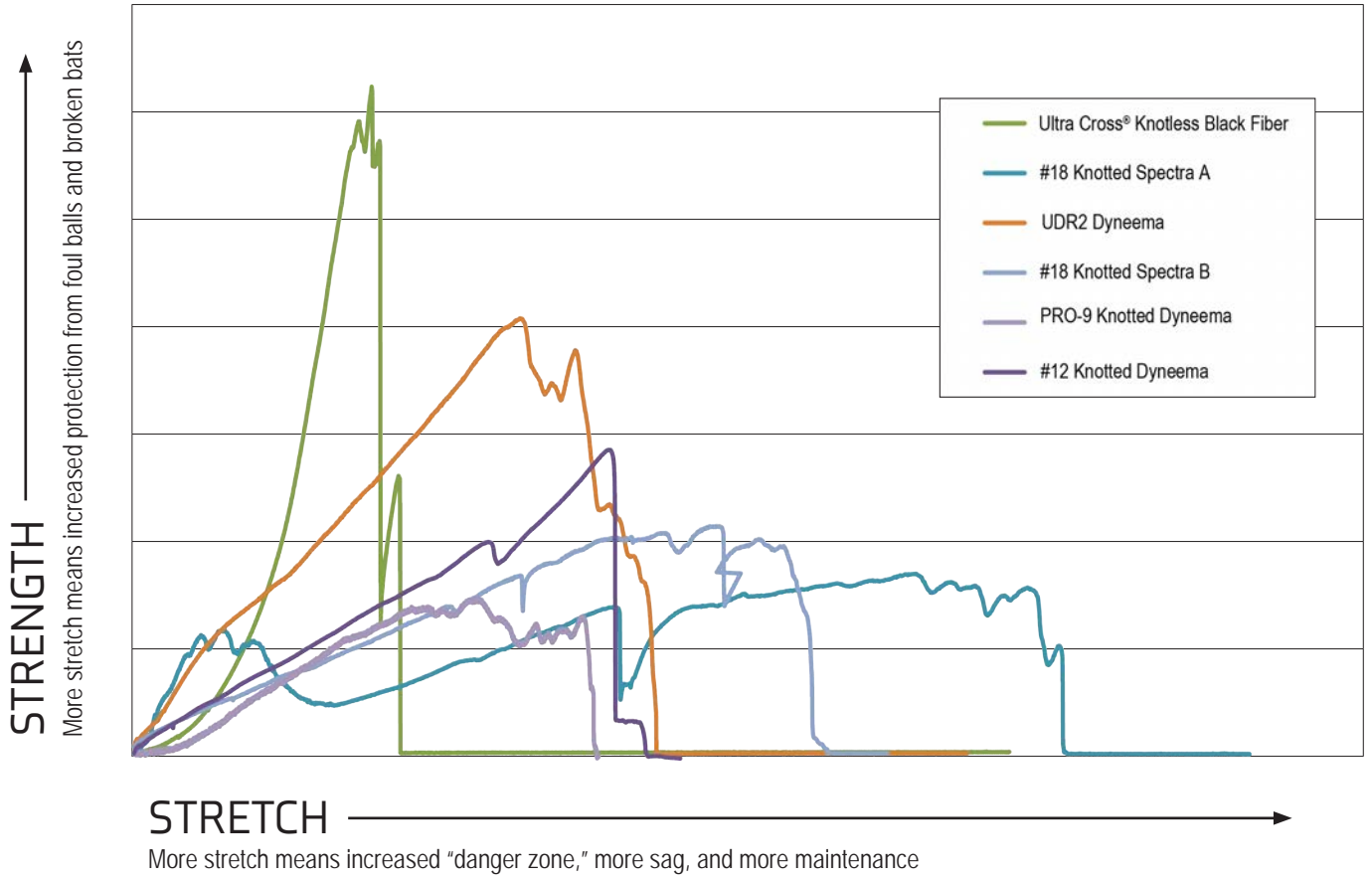
*1.749" = Avg across entire netting sample ↑



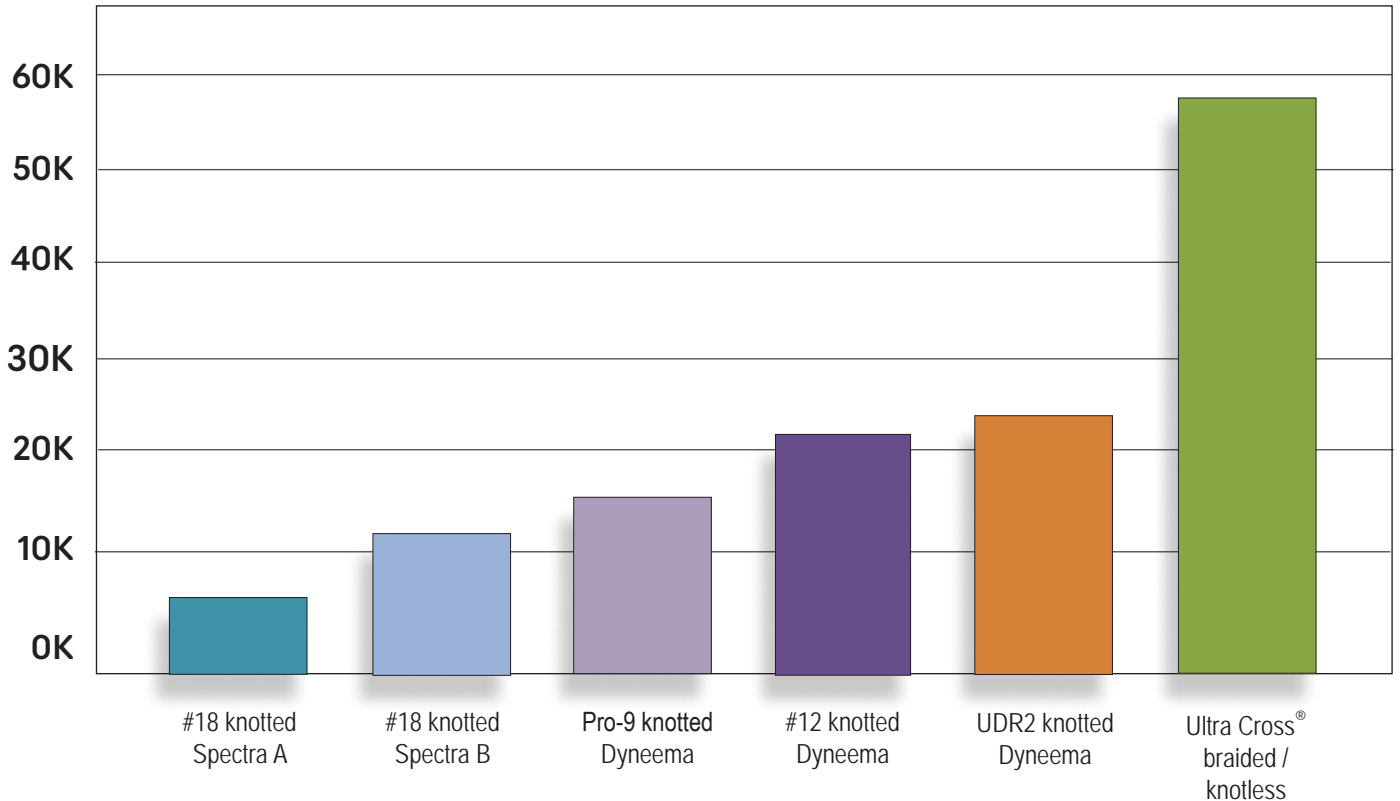
	Strand Thickness (In)	Joint Area (In ²)	Overall Area (In ²)	Open Area (In ²)	% Open Area
#18 Knotted	.060	0.05350	2.965	2.708	91.3%
Pro-9 Knotted	.044	0.02794	2.921	2.744	93.9%
#12 Knotted Dyneema	0.045	0.0546	2.986	2.718	91.0%
Ultra Cross® Knotless	.045	0.0098	2.900	2.739	94.5%

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

ULTRA CROSS® TENSILE LOAD VS. DISPLACEMENT COMPARISON

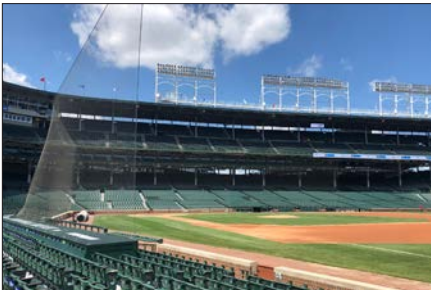


EFFECTIVE BREAK STRENGTH





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