



LUTHVAR · SPORTS NETTING SYSTEMS

Technical & Selection Guide

Backstops · Ball-stop systems · Batting cages · Training containment · Custom net panels

Performance-based guidance for project development. Exact structural design, breaking strengths, warranties and project-specific hardware remain subject to the selected system and current technical evidence.

Specify containment around the sport.

LUTHVAR treats sports netting as a project system rather than a commodity roll. Ball size, field geometry, containment zone, exposure, support structure and engineering are resolved as separate decisions.

01

SPORT

Choose the sport or sport mix.

02

AREA

Backstop, behind goal, perimeter, cage, divider, roof or enclosure.

03

NET

Material, mesh, twine, colour and edge construction.

04

STRUCTURE

Pole, cable, building-supported or existing structure.

05

ENVIRONMENT

Indoor, outdoor, exposed, coastal or special exposure.

06

ENGINEERING

Dimensions, location, wind, supports, foundations and anchorage.

SUPPLY POSITION

Wholesale & Project Supply. Netting can be selected from standard or customised manufacturing specifications. Supporting poles, frames, cables, foundations, anchorage and wind design remain project-specific unless expressly included.

Sport-specific starting points

The table below records current supplier catalogue references. These values are manufacturing starting points, not automatic final project specifications.

APPLICATION	MESH	TWINE	MATERIAL / CONSTRUCTION
Baseball	45 × 45 mm	3 mm	Polyester or PP · knotless
Golf	25 × 25 mm	2 mm	Polyester, PP or PE · knotless
Football	100 × 100 mm	5 mm / 4 mm	Polyester / PP · knotless
Field hockey	50 × 50 mm	4 mm	Polyester · knotless
Tennis	50 × 50 mm	4 mm	Polyester · knotless
Lacrosse	Pending	Pending	Dedicated specification awaiting confirmat

CLAIM CONTROL

- Exact breaking strengths are not published until the current supplier tables / reports are received.
- Manufacturer outdoor service-life guidance is not presented as a LUTHVAR warranty.
- Flame-retardant sports-netting grades, coastal hardware grades and final warranty remain project-confirmed.
- No fixed pole height or spacing is published without project-specific structural review.



03 · BASEBALL + SOFTBALL

Backstops, foul-ball containment and batting cages

Permanent and semi-permanent containment can be separated into home-plate backstops, foul-line zones, spectator protection, high-level perimeter netting and practice enclosures.

APPLICATIONS

- Home-plate backstops
- First- and third-base containment
- Spectator protection
- Batting cages and training enclosures
- Replacement panels and retrofit netting

BATTING CAGE REFERENCE

Existing manufacturer cage sizes include 22 × 12 × 8 ft and 30 × 12 × 9 ft in knotless polyester. These are catalogue references, not the only LUTHVAR dimensions.



One platform, different ball sizes.

The selected mesh should follow the sport and containment risk. Smaller-ball sports generally require finer mesh; larger-ball applications can use wider mesh.



Football

100 × 100 mm manufacturer reference



Field Hockey

50 × 50 mm polyester reference



Tennis

50 × 50 mm polyester reference



Golf

25 × 25 mm small-ball reference

Material, construction and evidence

POLYESTER

Preferred LUTHVAR starting point for many demanding outdoor sports-containment applications, subject to the exact project and manufacturer evidence.

POLYPROPYLENE · PP

Available for selected applications. Final suitability depends on the exact mesh, twine, exposure and project requirement.

POLYETHYLENE · PE

Available for selected sports and project-specific applications. It should not be assumed suitable for every sport simply because it appears in the wider manufacturer range.

KNOTLESS CONSTRUCTION

Much of the current sports range uses knotless construction, including baseball, golf, football, tennis and hockey references.

EDGE + FINISHING

Reinforced borders, edge ropes, mounting rings, panel joining and fixing points can be project-specific. Exact rope sizes and hardware are confirmed before final release.

TESTING

Manufacturer documentation references tensile / breaking-load, UV/weathering and abrasion-related testing, including ASTM D6637 / ISO 2307, ASTM D4355 / ISO 4892 and ASTM D4886. Applicable reports must match the exact offered product.



06 · ENVIRONMENT + ENGINEERING

Net selection can be standardised. The supporting structure cannot be assumed.

STANDARD OUTDOOR	Confirm UV/weathering suitability and routine outdoor maintenance.
EXPOSED / HIGH WIND	Net area, porosity, support height, cable loads and foundations require structural review.
COASTAL	Assess the net, support structure and all metal hardware separately for salt exposure. Do not assume 304/316 grades until verified.
PROJECT-SPECIFIC DESIGN	Pole size, spacing, foundations, anchorage, cable loads, building reactions and wind design remain project-specific.



07 · PROJECT HANDOFF

What we need to develop a netting system

- Sport / sports
- Containment application
- Project location
- Approximate length and height
- Indoor / outdoor / coastal / exposed environment
- Existing structure or new support system
- Known wind / structural requirements
- Drawings, site plans and photos where available

NEXT STEPS

Use the LUTHVAR Netting Project Brief and Sports Netting Specification Writer to turn this selection guide into a controlled project scope. Exact supplier evidence is added as the project progresses.

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IMPORTANT

This guide is a project-development reference, not structural engineering or installation certification.