



STAINLESS STEEL CABLE MESH

DURABILITY AND CONTEMPORARY DESIGN

Safety and aesthetics in one

LINPLAST – POLISH MANUFACTURER OF CABLE MESH

We deliver solutions that not only meet the highest quality standards but also inspire the creation of unique spaces. Our stainless steel products are designed for exceptional durability, elegance, and alignment with the latest architectural trends.







ABOUT US

LINPLAST is a fully Polish company with a long tradition and extensive experience, specializing in the manufacture of high-quality stainless steel cable mesh. Headquartered in Warsaw, our dedication, attention to detail, and continuous drive for innovation have earned us the trust of a wide range of clients who prioritize quality and reliability.

Since the very beginning, we have focused on modern technologies and the highest production

standards. The stainless steel meshes we offer provide reliable solutions across multiple sectors—ranging from architecture to industry, sports, and zoology. Our team consists of highly qualified specialists, allowing us to create custom products tailored to the individual needs of each client.

At Linplast, quality and customer satisfaction are our top priorities. Thanks to modern manufacturing processes and carefully selected materials, our meshes feature exceptional durability, corrosion resistance, and an aesthetic appearance, making them the ideal choice for a variety of demanding applications.

We take pride in offering products that seamlessly combine functionality with modern design, contributing to both the safety and aesthetics of public and private spaces.



APPLICATIONS OF STAINLESS STEEL CABLE MESH



ARCHITECTURE



INDUSTRY

Applications in the marine industry, construction, and security.



ZOOLOGY AND HORTICULTURE

Free-standing aviaries, animal enclosures, and protective netting in parks and gardens.



SPORTS AND RECREATION

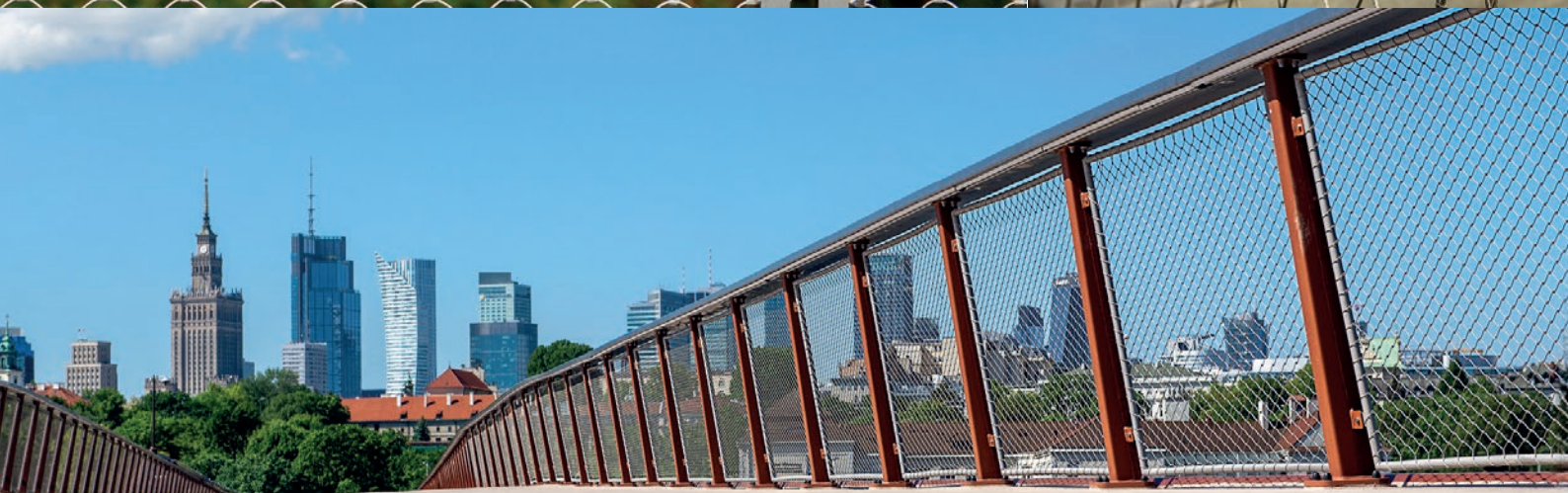
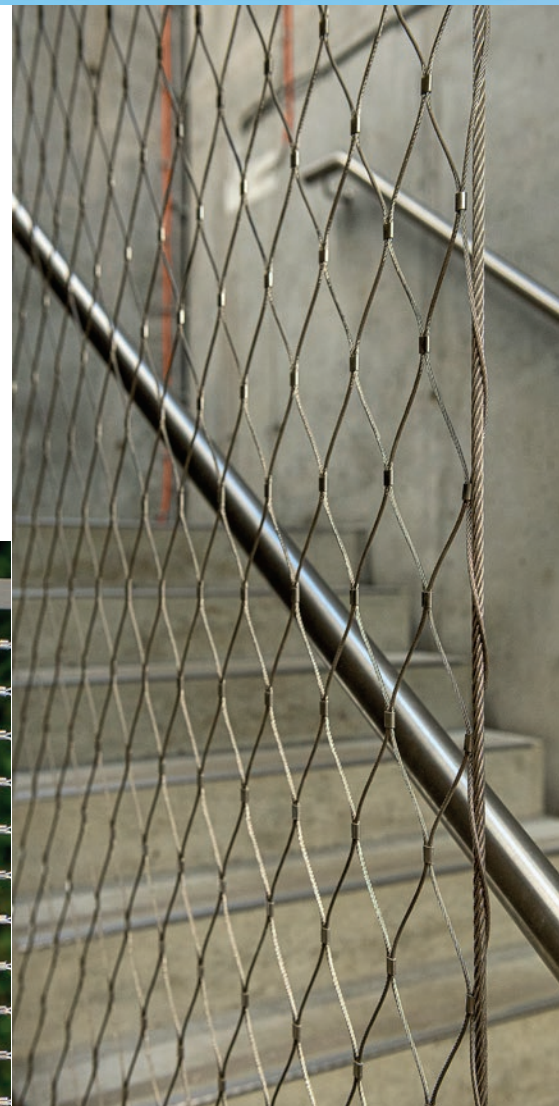
Protection for sports facilities (safety netting in sports halls and stadiums).

A WIDE RANGE OF APPLICATIONS FOR STAINLESS STEEL CABLE MESH

Stainless steel meshes manufactured by LINPLAST are utilized across a variety of industries due to their durability, aesthetics, and versatility. Our products offer modern solutions that combine functionality with exceptional design, meeting the needs of clients from various sectors.

ARCHITECTURE

Stainless steel meshes are the ideal solution for constructing modern facades, balustrades, barriers, as well as stair and balcony infills. Their elegant appearance and durability allow them to seamlessly blend with modern architectural trends, adding lightness and character to any space.





INDUSTRY

Our meshes are used as machinery guarding, transport covers, and protective barriers. Their robust construction and corrosion resistance make them the perfect choice for demanding industrial environments where safety and reliability are the top priorities.





ZOOLOGY AND HORTICULTURE

In the zoological industry, our stainless steel cable meshes provide modern fencing for enclosures, ensuring both freedom and safety for animals. They offer an aesthetic alternative to traditional, old-fashioned barred cages that used to evoke negative associations, helping to create a more welcoming and open space.

In horticulture, they serve perfectly as support structures for climbing plants, enabling the creation of durable and elegant green arrangements in both public and private spaces.





SPORTS AND RECREATIONAL FACILITIES

LINPLAST meshes are also an excellent choice for sports infrastructure. Our products are used to secure sports fields, courts, playgrounds, and rope courses. Thanks to their high resistance to heavy loads and intensive use, these meshes ensure safety and comfort for all users.



MESHES FOR GREEN WALLS

Stainless steel cable meshes are a modern and aesthetic solution used for training climbing plants on building facades. They form a durable support structure that enables the development of green facades, which enhance the microclimate, aesthetics, and eco-friendly character of architecture.

Material and Construction:

The meshes are manufactured from high-grade stainless steel, characterized by exceptional resistance to corrosion, fluctuating weather conditions, and loads associated with intensive plant growth. Their flexible yet extremely durable construction allows for secure mounting on building elevations. Various rope diameters and mesh sizes allow the system to be precisely tailored to the specific characteristics of the climbing plants and the desired density of greenery, ensuring a harmonious visual effect.

Functionality and Building Impact:

The mesh system provides a stable support for plants, ensuring optimal growth conditions while keeping them at a distance from the wall to protect the facade from shoots. Green facades improve the thermal and acoustic insulation of the building, reduce wall overheating, and filter the surrounding air.

Aesthetics and Ecology:

The use of meshes allows for the creation of vertical gardens with high visual appeal. Climbing vegetation introduces nature into urban spaces, improving air quality and the microclimate. Green facades elevate the prestige of buildings and become a showcase of modern, eco-friendly architecture.





Applications:

- Facades of residential, office, and industrial buildings
- Walls of parking structures, garages, and technical buildings
- Acoustic barriers, pergolas, and free-standing structures
- Public spaces, plazas, and courtyards

Design Flexibility:

The meshes can be installed vertically, horizontally, or diagonally, creating geometric structures tailored to the character of the facade. The system seamlessly integrates with other materials, such as glass, aluminum, concrete, or wood. Designers have the freedom to shape the density and arrangement of the plants, creating unique compositions.



MESHERS FOR BALUSTRADES



Stainless steel cable meshes used as balustrade infills are an elegant and functional solution, ideal for modern architectural spaces. They ensure a high level of safety while introducing lightness and visual transparency, perfectly aligning with minimalist, contemporary designs.





Functionality and Safety:

The meshes can serve as a durable infill, preventing falls and ensuring user safety—including that of children. At the same time, they do not restrict light or visually weigh down the structure, keeping spaces light and open.

Applications:

This solution performs exceptionally well in residential and office buildings, public facilities, as well as on mezzanines, stairs, terraces, and bridges.

Modularity and Customization:

A variety of mesh sizes, rope diameters, and fastening types are available, allowing for individual project customization according to architectural requirements. Linplast's manufacturing capabilities enable the delivery of both standard and fully tailored solutions, adapted to the specific needs of an investment. The mounting system ensures easy tensioning and a perfect fit of the mesh to the balustrade, guaranteeing an aesthetic and long-lasting result.

Durability and Maintenance:

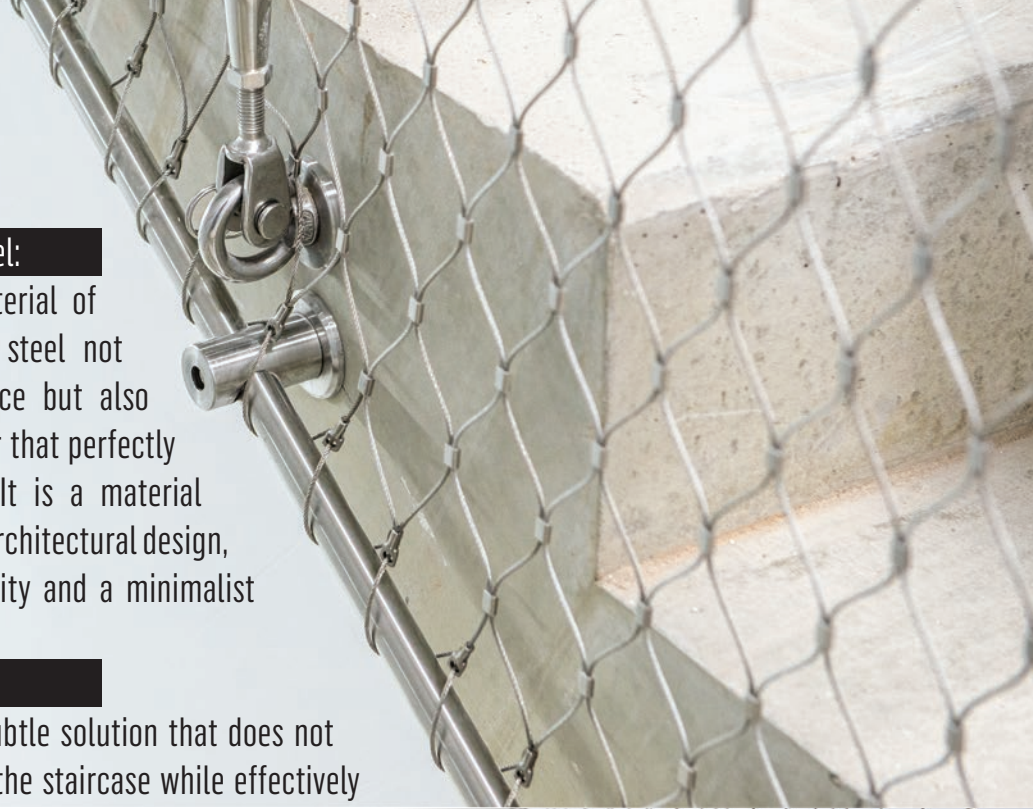
Stainless steel guarantees long-term durability and minimal maintenance requirements, making this solution both aesthetically pleasing and cost-effective.

MESHERS IN STAIRWELLS



Stainless steel cable mesh protection installed in a stairwell is an innovative solution that combines functionality with a modern approach to space design. By utilizing high-quality materials, such as stainless steel, along with a subtle mesh structure, this solution ensures user safety while giving the staircase lightness and aesthetic elegance. It is a perfect example of how modern technology and architecture can harmoniously coexist without compromising on aesthetics and spaciousness.





A Modern Material – Stainless Steel:

Stainless steel cables are a material of exceptional durability. Stainless steel not only provides corrosion resistance but also adds a subtle, industrial character that perfectly complements modern interiors. It is a material gaining widespread popularity in architectural design, offering a combination of longevity and a minimalist appearance.

Innovative Design:

Stainless steel cable mesh is a subtle solution that does not compromise the spaciousness of the staircase while effectively serving its protective function. Installed within the stairwell—the space between the flights of stairs—it creates an impression of lightness and openness. Thanks to this unique design, the mesh is nearly invisible from the outside, achieving a "permeable" effect that allows for the free flow of light and air.

Applications in Interior Architecture:

This protection system is widely used in modern residential, office, and public buildings, where combining aesthetics with functionality is essential. The high-quality material and elegant structure make stainless steel mesh the perfect solution for modern staircases, where both safety and maintaining an open space character are priorities.

Customization and Fit:

The mesh size, cable length, and overall height of the mesh are customized for each project, taking into account the building's specifications and the individual needs of the client. Consequently, every safety system can be perfectly tailored to a unique architectural design, balancing aesthetics with technical requirements. This flexibility in selecting parameters makes the solution incredibly versatile, suitable for various types of facilities, from lofts to modern office buildings.

Sustainable Design:

A modern approach to design also embraces sustainability. Stainless steel is a fully recyclable material, making this an environmentally friendly solution. Sustainable manufacturing combined with the material's durability ensures that investing in this system is both a responsible and long-term choice.





Stainless steel cable meshes are a modern, durable, and aesthetic solution used in zoological gardens for constructing aviaries, enclosures, and protective barriers. They ensure the safety of both animals and visitors, while allowing for the creation of spaces that closely resemble natural habitats. Furthermore, they offer an aesthetic alternative to traditional bars—which often evoked negative associations—replacing them with a lightweight, transparent form that perfectly aligns with the modern approach to zoological space design.





Stainless steel cable meshes currently represent one of the most modern and versatile solutions for constructing aviaries and enclosures in zoological gardens, seamlessly combining safety, aesthetics, and design freedom.

Material and Construction:

The meshes are manufactured from high-quality stainless steel, resistant to corrosion, UV radiation, and intensive use. The flexible yet highly durable cable construction guarantees resistance to stretching, biting, and heavy wear by animals. The mesh can be formed into any shape, allowing it to adapt to the diverse architecture of various enclosures.

Animal Safety and Comfort:

Thanks to its visually delicate structure, the mesh does not restrict visibility, allowing animals to feel more at ease and reducing captivity-related stress. At the same time, appropriately selected mesh sizes prevent escape, ensuring complete security even for predatory species or birds. The material does not overheat excessively and poses no risk of injury.

Aesthetics and Transparency:

Stainless steel cable meshes are virtually invisible from a distance, allowing visitors to observe animals in a more natural way. This "open space" effect enhances the appeal of the exhibit and creates a more immersive experience.

Applications in Zoos:

- Bird aviaries
- Enclosures for primates, big cats, reptiles, and small mammals
- Separation fencing and protective zones
- Lightweight roof structures and climbing areas

Design Freedom:

The meshes enable the design of enclosures with irregular, organic shapes—including arched, domed, vertical, or suspended structures. This allows zoo architects and designers to create spaces that better replicate the animals' natural habitats while remaining visually appealing.

Durability and Low Maintenance Costs:

Stainless steel guarantees long-term resistance to weather and environmental conditions. The meshes are resistant to moisture, frost, intense sunlight, and frequent contact with animals. They require no complex maintenance, which translates into lower operating costs.

PRODUCT ADVANTAGES



DURABILITY



AESTHETICS



SAFETY



EASE OF INSTALLATION AND MAINTENANCE

TECHNICAL SPECIFICATION

Cat. No.	Rope Parameters			Mesh Parameters				
	Rope Diameter	Construction	Rope Steel Grade	Mesh Size W x H	W	H	Weight kg/m ²	Inscribed Circle Diameter D (mm)
S1,5-25	1,5	7x7	AISI 316	25 x 56	25	56	2,09	23
S1,5-30	1,5	7x7	AISI 316	30 x 62	30	62	1,63	27
S1,5-35	1,5	7x7	AISI 316	35 x 69	35	69	1,32	31
S1,5-40	1,5	7x7	AISI 316	40 x 75	40	75	1,11	35
S1,5-50	1,5	7x7	AISI 316	50 x 90	50	90	0,82	44
S1,5-60	1,5	7x7	AISI 316	60 x 106	60	106	0,64	52
S1,5-70	1,5	7x7	AISI 316	70 x 124	70	124	0,51	61
S1,5-80	1,5	7x7	AISI 316	80 x 141	80	141	0,43	70
S1,5-90	1,5	7x7	AISI 316	90 x 159	90	159	0,35	78
S1,5-100	1,5	7x7	AISI 316	100 x 175	100	175	0,32	87
S1,5-120	1,5	7x7	AISI 316	120 x 209	120	209	0,25	104
S1,5-140	1,5	7x7	AISI 316	140 x 244	140	244	0,20	121
S1,5-160	1,5	7x7	AISI 316	160 x 273	160	273	0,18	138
S1,5-180	1,5	7x7	AISI 316	180 x 313	180	313	0,15	156
S1,5-200	1,5	7x7	AISI 316	200 x 350	200	350	0,14	174
S1,5-250	1,5	7x7	AISI 316	250 x 437	250	437	0,11	217
S1,5-300	1,5	7x7	AISI 316	300 x 520	300	520	0,08	260

Cat. No.	Rope Parameters			Mesh Parameters				
	Rope Diameter	Construction	Rope Steel Grade	Mesh Size W x H	W	H	Weight kg/m ²	Inscribed Circle Diameter D (mm)
S2,0-40	2,0	7x7	AISI 316	40 x 75	40	75	1,73	33
S2,0-50	2,0	7x7	AISI 316	50 x 90	50	90	1,28	43
S2,0-60	2,0	7x7	AISI 316	60 x 106	60	106	1,02	52
S2,0-70	2,0	7x7	AISI 316	70 x 124	70	124	0,82	60
S2,0-80	2,0	7x7	AISI 316	80 x 141	80	141	0,69	69
S2,0-90	2,0	7x7	AISI 316	90 x 159	90	159	0,58	77
S2,0-100	2,0	7x7	AISI 316	100 x 175	100	175	0,52	86
S2,0-120	2,0	7x7	AISI 316	120 x 209	120	209	0,42	103
S2,0-140	2,0	7x7	AISI 316	140 x 244	140	244	0,34	121
S2,0-160	2,0	7x7	AISI 316	160 x 273	160	273	0,30	138
S2,0-180	2,0	7x7	AISI 316	180 x 313	180	313	0,25	156
S2,0-200	2,0	7x7	AISI 316	200 x 350	200	350	0,23	174
S2,0-250	2,0	7x7	AISI 316	250 x 437	250	437	0,18	217
S2,0-300	2,0	7x7	AISI 316	300 x 520	300	520	0,14	260

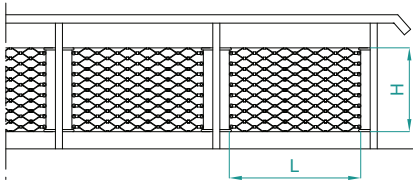
Cat. No.	Rope Parameters			Mesh Parameters				
	Rope Diameter	Construction	Rope Steel Grade	Mesh Size W x H	W	H	Weight kg/m ²	Inscribed Circle Diameter D (mm)
S3,0-40	3,0	7x19	AISI 316	40 x 75	40	75	3,27	32
S3,0-50	3,0	7x19	AISI 316	50 x 90	50	90	2,48	41
S3,0-60	3,0	7x19	AISI 316	60 x 106	60	106	2,00	50
S3,0-70	3,0	7x19	AISI 316	70 x 124	70	124	1,63	59
S3,0-80	3,0	7x19	AISI 316	80 x 141	80	141	1,39	68
S3,0-90	3,0	7x19	AISI 316	90 x 159	90	159	1,18	76
S3,0-100	3,0	7x19	AISI 316	100 x 175	100	175	1,06	85
S3,0-120	3,0	7x19	AISI 316	120 x 209	120	209	0,85	102
S3,0-140	3,0	7x19	AISI 316	140 x 244	140	244	0,71	120
S3,0-160	3,0	7x19	AISI 316	160 x 273	160	273	0,61	137
S3,0-180	3,0	7x19	AISI 316	180 x 313	180	313	0,52	155
S3,0-200	3,0	7x19	AISI 316	200 x 350	200	350	0,48	172
S3,0-250	3,0	7x19	AISI 316	250 x 437	250	437	0,39	216
S3,0-300	3,0	7x19	AISI 316	300 x 520	300	520	0,30	259

Cat. No.	Rope Parameters			Mesh Parameters				
	Rope Diameter	Construction	Rope Steel Grade	Mesh Size W x H	W	H	Weight kg/m ²	Inscribed Circle Diameter D (mm)
S4,0-80	4,0	7x19	AISI 316	80 x 141	80	141	2,42	67
S4,0-90	4,0	7x19	AISI 316	90 x 159	90	159	2,05	75
S4,0-100	4,0	7x19	AISI 316	100 x 175	100	175	1,84	84
S4,0-120	4,0	7x19	AISI 316	120 x 209	120	209	1,48	101
S4,0-140	4,0	7x19	AISI 316	140 x 244	140	244	1,23	119
S4,0-160	4,0	7x19	AISI 316	160 x 273	160	273	1,07	136
S4,0-180	4,0	7x19	AISI 316	180 x 313	180	313	0,91	154
S4,0-200	4,0	7x19	AISI 316	200 x 350	200	350	0,83	171
S4,0-250	4,0	7x19	AISI 316	250 x 437	250	437	0,67	215
S4,0-300	4,0	7x19	AISI 316	300 x 520	300	520	0,53	258

Cat. No.	Rope Parameters			Mesh Parameters				
	Rope Diameter	Construction	Rope Steel Grade	Mesh Size W x H	W	H	Weight kg/m ²	Inscribed Circle Diameter D (mm)
S6,0-100	6,0	7x19	AISI 316	100 x 175	100	175	4,46	82
S6,0-120	6,0	7x19	AISI 316	120 x 209	120	209	3,56	99
S6,0-140	6,0	7x19	AISI 316	140 x 244	140	244	2,94	116
S6,0-160	6,0	7x19	AISI 316	160 x 273	160	273	2,54	133
S6,0-180	6,0	7x19	AISI 316	180 x 313	180	313	2,15	151
S6,0-200	6,0	7x19	AISI 316	200 x 350	200	350	1,95	168
S6,0-250	6,0	7x19	AISI 316	250 x 437	250	437	1,57	212
S6,0-300	6,0	7x19	AISI 316	300 x 520	300	520	1,23	255

FASTENING SYSTEMS AND BALUSTRADE INFILLS

LKW FASTENING SYSTEM

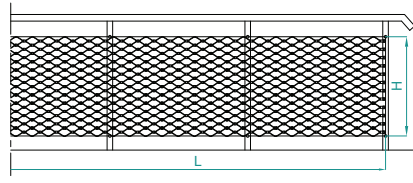


It is a system for securing the mesh using a perimeter cable between the posts. The perimeter cable is equipped with tensioning elements and is fastened directly to the posts.

Scope of delivery:

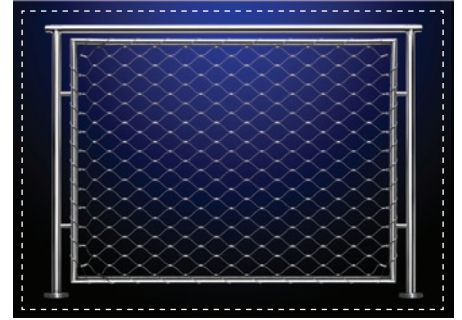
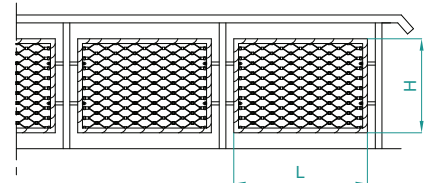
- Stainless steel cable mesh
- Perimeter cable
- Post-mounting elements

LKZ FASTENING SYSTEM



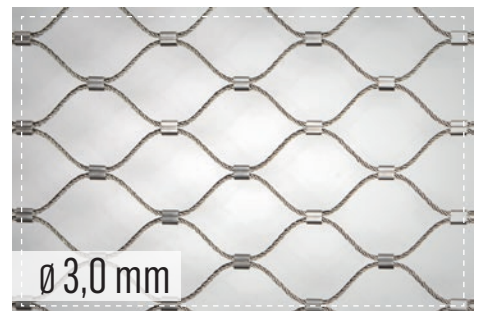
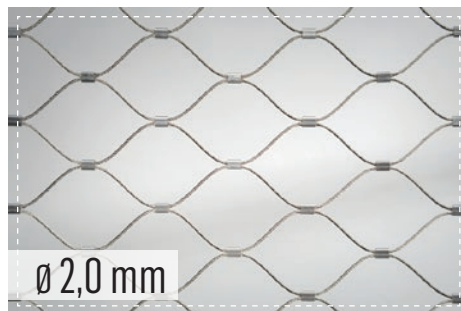
This system secures the mesh using perimeter cables fastened to the posts along the side plane of the balustrade. In this solution, the mesh can be run continuously across the balustrade plane over long distances—without any interruptions. Breaks occur only at corners and where the inclination angle of the balustrade changes.

RWS FASTENING SYSTEM

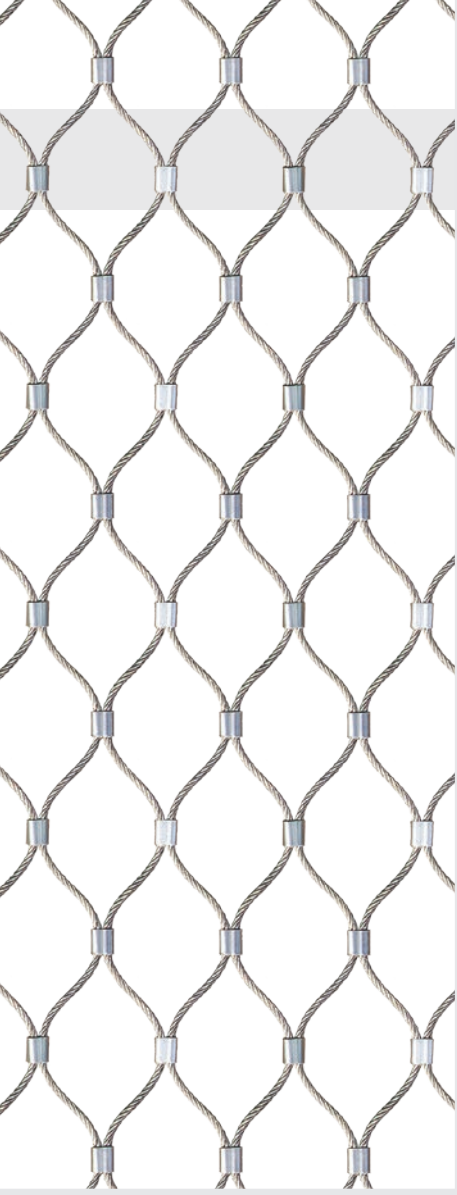


This is a system where the space between the posts is filled with frames in the form of panels pre-tensioned with mesh. This solution ensures straightforward installation, which consists of mounting the mesh-filled frames directly to the balustrade posts.

The selection of the cable diameter depends on both structural strength requirements and aesthetic considerations. The illustration above features a diamond-shaped mesh with diagonals measuring $60 \times 106 \text{ mm}$, shown in various options of the applied cable diameter.



We provide comprehensive support for architects and designers.
We invite you to contact our specialists.

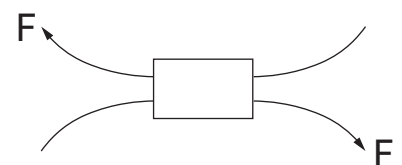
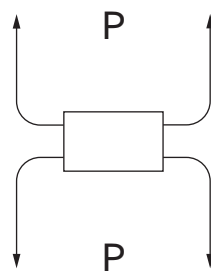
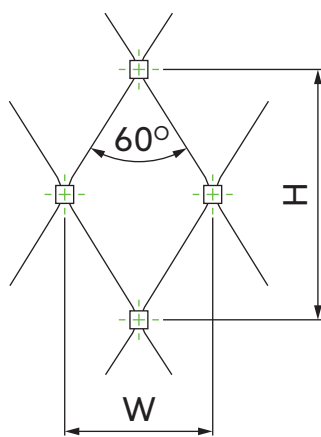


STAINLESS STEEL CABLE MESHES

Stainless steel meshes are manufactured from cables with diameters ranging from 1.0 mm to 6.0 mm and mesh widths starting from 20 mm. The total area and shape of the mesh are fully customized to meet the client's specific requirements.

This versatile product is widely used in interior architecture, on building facades, and in green spaces. It serves both a protective function—owing to its high structural strength—and a decorative purpose, thanks to its lightness and elegant appearance. Stainless steel cable meshes are ideally suited for staircase safety systems, balustrade infills, supporting climbing vegetation on building walls, as well as decorative elements for trade fair booths and office spaces.

Our mesh production relies on cutting-edge technology and specialized machinery. This allows for the high-precision manufacturing of large-scale mesh surfaces composed of perfectly uniform diamonds. We guarantee full compliance with all technical, structural, and dimensional requirements. It is a durable, robust, and timeless solution.



Rope diameter «mm»	1,00	1,5	2,0	3,0	4,0	6,0
Rope construction	7x7	7x7	7x7	7x19	7x19	7x19
Min. rope breaking strength «kN»	0,45	1,17	2,33	4,7	8,3	18,8
Rope steel grade	AISI 316	AISI 316	AISI 316	AISI 316	AISI 316	AISI 316
Min. ferrule retention strength F/P «kN»	0,15/1,0	0,20/1,8	0,30/2,6	0,45/4,9	0,50/8,0	0,60/10,0



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