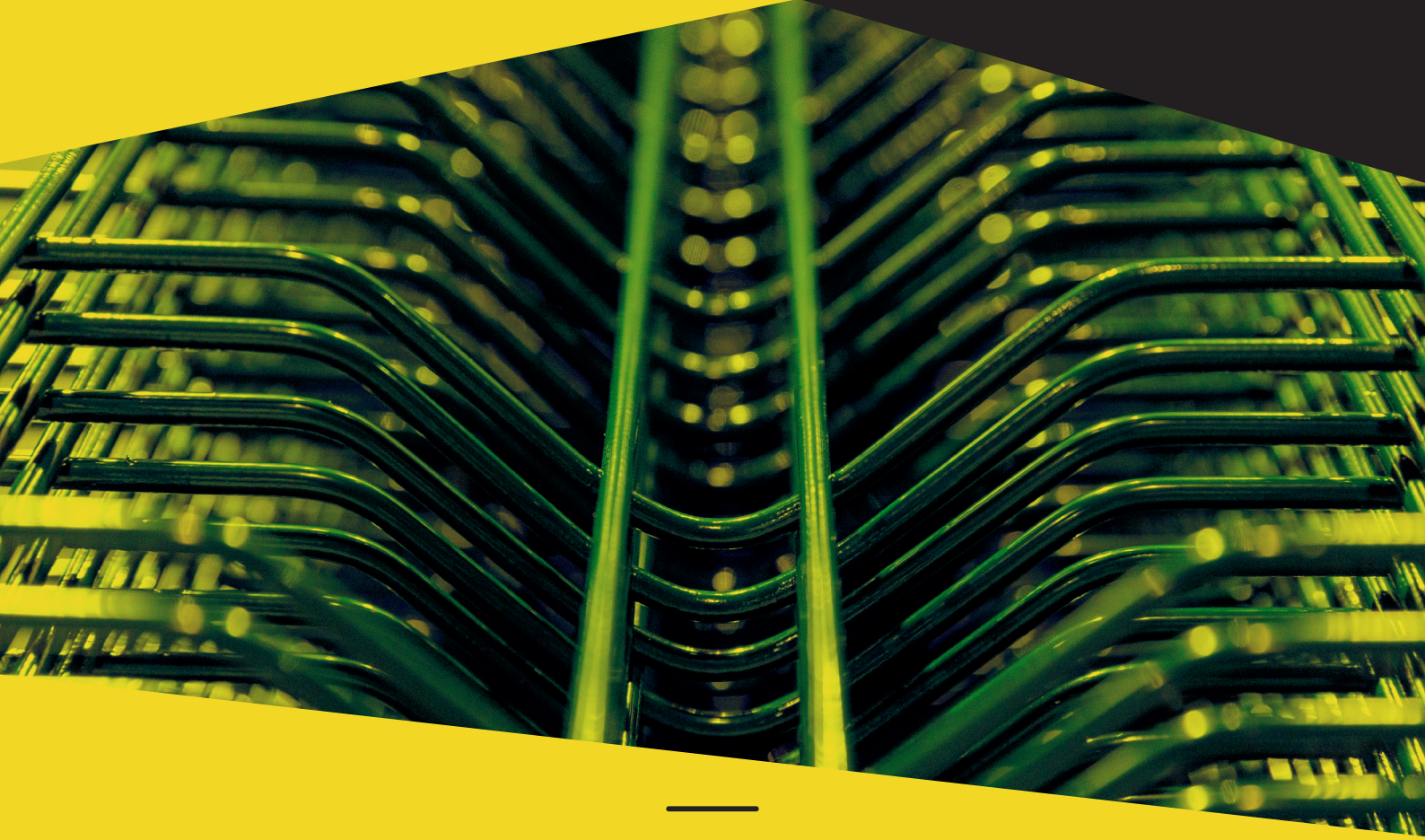




DEMİR & ÇELİK
IRON & STEEL



PRODUCT CATALOGUE

www.mgdemir.com



DEMİR & ÇELİK
IRON & STEEL



We'll give you the best we produce to offer

MG Demir Çelik San. Tic. Ltd. Şti. is a Turkish company specialized in the production of various wire fence systems and construction materials. Since the day it was founded, it has maintained its leading position in the sector, offering quality products and reliable service to its customers.



WITH 25+ YEARS OF EXPERIENCE **HIGH QUALITY** WE PRODUCE PRODUCTS

MG Demir Çelik, acting with a customer-oriented approach, strives to understand the needs of its customers and to meet their expectations. Our experienced engineers and technicians are constantly conducting R&D studies and continuously improving our products in order to offer the most suitable solutions to our customers.

Our company aims to keep customer satisfaction at the highest level by prioritizing quality and reliability. We work with an expert customer service team to provide support to our customers in pre and after sales processes and to find solutions to their questions.

Adopting the principle of sustainability, MG Demir Çelik aims to protect natural resources and minimize environmental impact by adopting environmentally friendly production and business processes.

Our company will continue to meet the various needs of its customers with a wide range of products from panel fences to grass fences, from mesh wires to annealed construction wires. We will continue to grow by maintaining our leadership in the sector with our innovative approach, quality products and the importance we attach to customer satisfaction.



OUR CERTIFICATES

OUR QUALITY WITH WE DOCUMENT

MG Demir Çelik has not only adopted a quality management system, but also constantly strives to exceed these standards in every aspect.

The certifications we have obtained ensure that our company not only maintains, but also continuously improves the quality of its products and services.

This is a guarantee for the continuous provision of the reliable and excellent service we provide to our customers.

WHY?

MG IRON & STEEL?

Quality and Durability: We adhere to the highest quality standards and prioritize durability in our products.

Wide Product Range: We offer solutions for every need with various wire fence and grass fence models.

Expert Team: We provide the best service to our customers with a team of experts in their field.

Aesthetic Designs: While providing security, we contribute to your landscape with aesthetic designs.



DEMİR & ÇELİK
IRON & STEEL

PANEL FENCE SYSTEMS

MEGAFENCE®
HECTOFENCE®





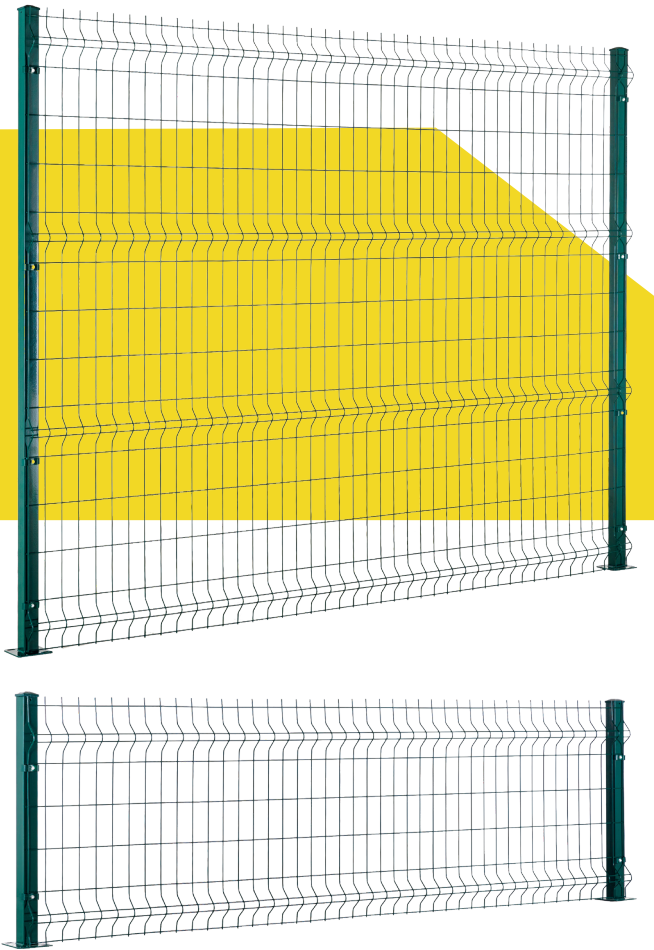


3D MEGAFENCE SINGLE PANEL FENCE

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We are here with Megafence, where we blend security and aesthetics with our high quality 3D Panel Fence series. With a 50 x 150 mm range and various wire thicknesses (Ø 4.00 mm - Ø 4.20 mm - Ø 4.50 mm - Ø 5.00 mm and Ø 6.00 mm), our fences offer both durability and a stylish solution.

TECHNICAL DETAILS



APPLICATION AREAS

Megafence 3D Panel Fence offers security and aesthetics in various application areas:

- Home and Site Security:** Enhances security and provides an aesthetic appearance for home and site enclosures.
- Industrial Facilities:** It is preferred for security purposes in factories, warehouses and industrial facilities.
- Public and Commercial Areas:** It is used for restraint and security purposes around schools, parks and commercial areas.

MEGAFENCE®

Product Type	3D – Megafence Panel Fences
Vertical Wires	Ø 4,00 – Ø 4,20 – Ø 4,50 – Ø 5,00 – Ø 6,00 mm
Horizontal Wires	Ø 4,00 – Ø 4,20 – Ø 4,50 – Ø 5,00 – Ø 6,00 mm
Mesh Size	50 x 150 mm (+/- %5)
Wires in Twists	Single or Double Wires
Raw Material	Hot Dipped Galvanized Wire
Galvanization Rate	50-90 gr/m ²
Final Coating	Electrostatic Powder Coating
Powder Coating Brand	JOTUN
Colours	Hot Dipped Galvanized
	RAL 6005 Moss Green
	RAL 7016 Anthracite Gray
	Any RAL Color on Request
Available Heights	500 mm
	750mm
	1000 mm
	1200mm
	1500mm
	1700mm
	2000 mm
Available Lengths	2000 mm
	2500 mm
Fence Post Profile	50 x 50 x 1,50 mm or 2,00 mm HDG Profile
	60 x 60 x 1,50 mm or 2,00 mm HDG Profile
Base Plate (Flange)	120x120x4,00mm
Steel DUBELS	M10 x 85 mm
Fence CLIPs	Metal or Plastic
Screws	SMART SCREW
Pole Covers	Plastic
Guarantee	10 years against corrosion
Packaging	50 Panel / Pallet

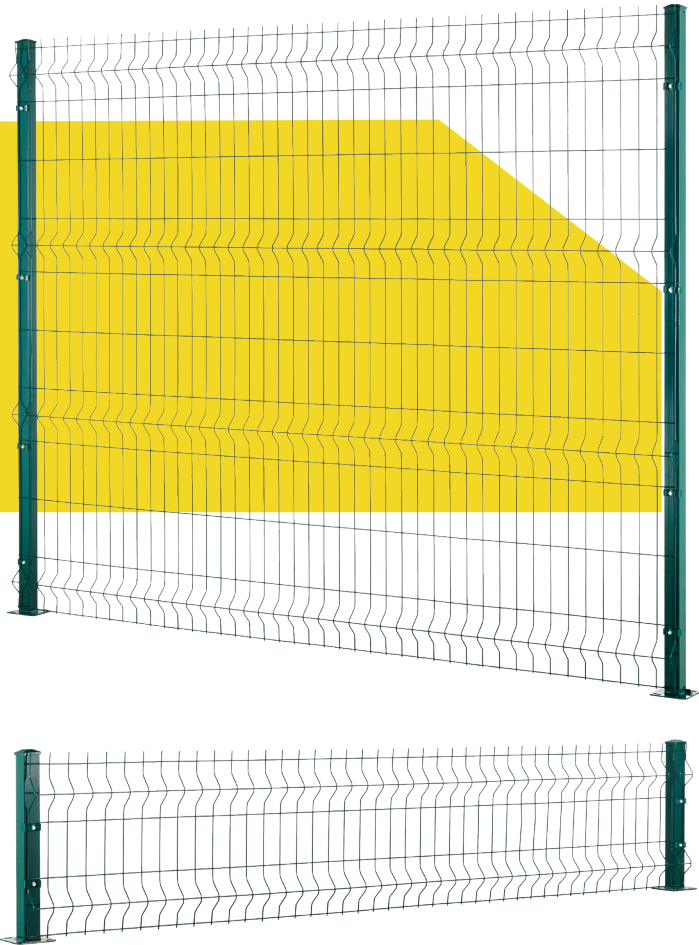
* See page 56 for auxiliary parts.



3D HECTO FENCE SINGLE PANEL FENCE

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Meet Hectofence, the perfect blend of security and aesthetics with our high-end 3D PANEL FENCE range. With 50 x 200 mm spacing and various wire thicknesses (Ø 4.00 mm - Ø 4.20 mm - Ø 4.50 mm - Ø 5.00 mm and Ø 6.00 mm), our fences offer a refined solution for your needs as well as durability.



APPLICATION AREAS

Hectofence 3D PANEL FENCE excels at providing security and aesthetic appeal in a variety of applications:

- **Residential and Site Security:** Increase security while enhancing the visual appeal of residential and estate enclosures.
- **Industrial Facilities:** A preferred choice for providing security in factories, warehouses and industrial facilities.
- **Public and Commercial Spaces:** Ideal for providing restraint and security in school environments, parks and commercial areas.

TECHNICAL DETAILS



Product Type	3D – Hectofence Panel Fences
Vertical Wires	Ø 4,00 – Ø 4,20 – Ø 4,50 – Ø 5,00 – Ø 6,00 mm
Horizontal Wires	Ø 4,00 – Ø 4,20 – Ø 4,50 – Ø 5,00 – Ø 6,00 mm
Mesh Size	50 x 200 mm (+/- %5)
Wires in Twists	Single or Double Wires
Raw Material	Hot Dipped Galvanized Wire
Galvanization Rate	50-90 gr/m ²
Final Coating	Electrostatic Powder Coating
Powder Coating Brand	JOTUN
Colours	Hot Dipped Galvanized
	RAL 6005 Moss Green
	RAL 7016 Anthracite Gray
	Any RAL Color on Request
Available Heights	830 mm
	1030 mm
	1230 mm
	1530 mm
	1730 mm
	1830 mm
Available Lengths	2000 mm
	2500 mm
Fence Post Profile	50 x 50 x 1,50 mm or 2,00 mm HDG Profile
	60 x 60 x 1,50 mm or 2,00 mm HDG Profile
Base Plate (Flange)	120x120x4,00mm
Steel DUBELS	M10 x 85 mm
Fence CLIPs	Metal or Plastic
Screws	SMART SCREW
Pole Covers	Plastic
Guarantee	10 years against corrosion
Packaging	50 Panel / Pallet

* See page 56 for auxiliary parts.



2D-656 DOUBLE PANEL FENCE



656 Type 2D Double Panel Fence is known to be more robust and longer lasting than 3D Panel Fence which uses single 5mm galvanized wire in 6mm horizontal and vertical.

PANEL FENCE SYSTEMS

TECHNICAL DETAILS



Product Type 656 Çift Çubuklu Çit Paneli

Vertical Wires Ø 6,00mm

Horizontal Wires Ø 5,00mm

Mesh Size 50×200 mm

Raw Material Hot Dipped Galvanized Wire

Galvanization Rate 50-90 gr/m²

Final Coating Electrostatic Powder Coating

Powder Coating Brand JOTUN

Colours Hot Dipped Galvanized

RAL 6005 Moss Green

RAL 7016 Anthracite Gray

Any RAL Color on Request

630mm

830mm

1030mm

1230mm

1430mm

Available Heights

1630mm

1830mm

2030mm

2230mm

2430mm

Available Lengths 2000 mm

2500 mm

Guarantee 10 years against corrosion

Packaging 50 Panel / Pallet

* See page 56 for auxiliary parts.

COUPLE STICKY STRUCTURE

It consists of two horizontal bars and a single vertical bar passing vertically through the center. The horizontal bars are thicker than the vertical bars, providing greater resistance to external impacts.

APPLICATION AREAS

- Home and Site Security: It is used to increase security and provide an aesthetic appearance in home and site environments.

- Industrial Facilities: It is preferred for security purposes in factories, warehouses and industrial facilities.

- Public and Commercial Areas: It can be used for restriction and security purposes around schools, parks and commercial areas.



2D-868 DOUBLE PANEL FENCE



Discover the durability and long life of our 868 Type 2D DOUBLE PANEL FENCE, a superior choice compared to 3D Panel Fence, which uses 8 mm horizontal and a single 6 mm vertical galvanized wire.

PANEL FENCE SYSTEMS



TECHNICAL DETAILS

Product Type 868 Çift Çubuklu Çit Paneli

Vertical Wires Ø 8,00mm

Horizontal Wires Ø 6,00mm

Mesh Size 50×200 mm

Raw Material Hot Dipped Galvanized Wire

Galvanization Rate 50-90 gr/m²

Final Coating Electrostatic Powder Coating

Powder Coating Brand JOTUN

Colours Hot Dipped Galvanized

RAL 6005 Moss Green

RAL 7016 Anthracite Gray

Any RAL Color on Request

630mm

830mm

1030mm

1230mm

1430mm

Available Heights

1630mm

1830mm

2030mm

2230mm

2430mm

Available Lengths 2000 mm

2500 mm

Guarantee 10 years against corrosion

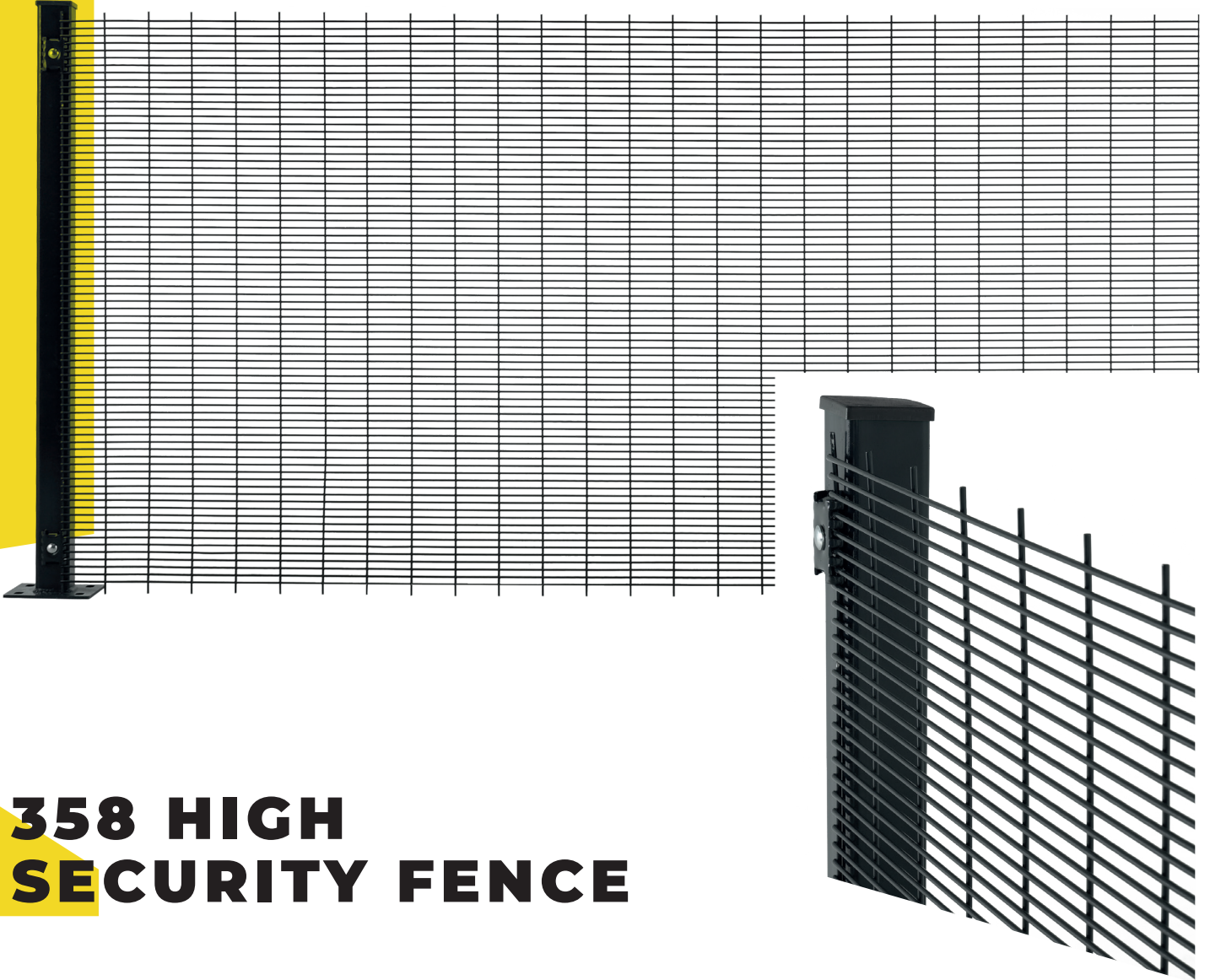
Packaging 50 Panel / Pallet

Experience the strength of our dual-bar construction with two sturdy horizontal bars and a single vertical bar running vertically through the center. Thicker horizontal bars provide greater resistance to external impacts.

* See page 56 for auxiliary parts.

APPLICATION AREAS

- Home and Site Security:** It is used to increase security and provide an aesthetic appearance in home and site environments.
- Industrial Facilities:** It is preferred for security purposes in factories, warehouses and industrial facilities.
- Public and Commercial Areas:** It can be used for restriction and security purposes around schools, parks and commercial areas.



358 HIGH SECURITY FENCE



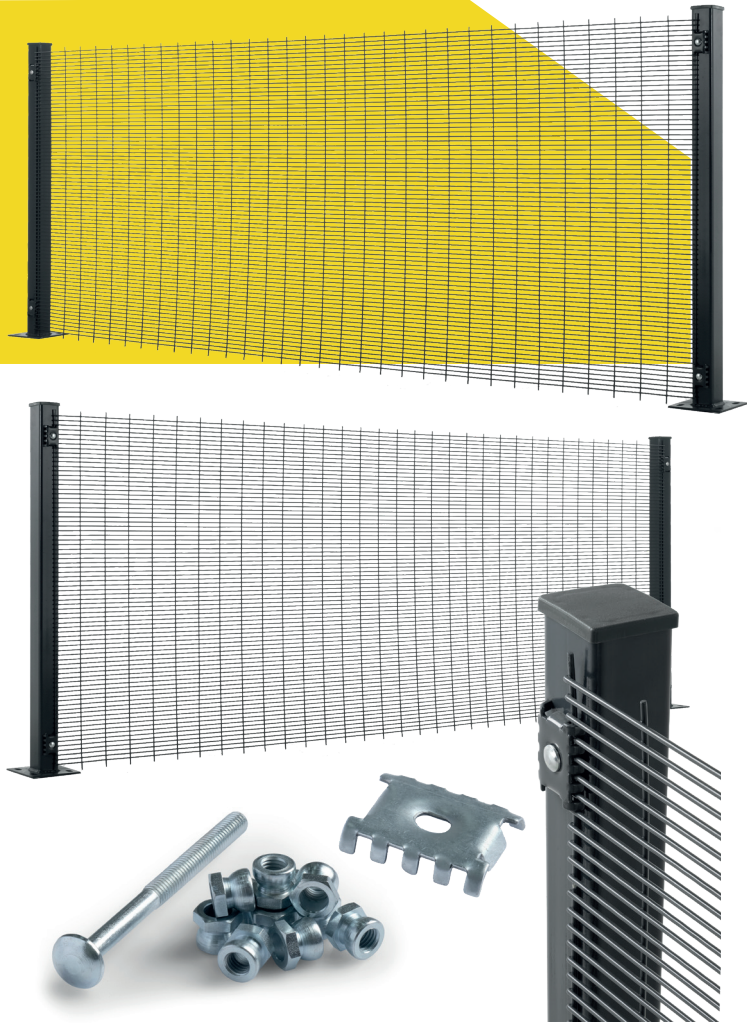
We are proud to present 358 Type Anti-Vandalism PANEL FENCE. This special fence, also known as High Security PANEL FENCE, stands out with its unique design, durability and Ø 4.00 mm vertical and horizontal wire thickness.

PANEL FENCE SYSTEMS

TECHNICAL DETAILS



Product Type	358 Type High Security Fences
Vertical Wires	Ø 4,00 mm
Horizontal Wires	Ø 4,00 mm
Mesh Size	12,70 x 76,20 mm
Raw Material	Hot Dipped Galvanized Wire
Galvanization Rate	50-90 gr/m ²
Final Coating	Electrostatic Powder Coating
Powder Coating Brand	JOTUN
Colours	Hot Dipped Galvanized
	RAL 6005 Moss Green
	RAL 7016 Anthracite Gray
	Any RAL Color on Request
Available Heights	1000 mm
	1200mm
	1500mm
	1700mm
	2000 mm
	2200 mm
	2500 mm
	3000 mm
Available Lengths	2000 mm
	2500 mm
	3000 mm
Fence Post Profile	60 x 60 x 2,00 mm H.DG Profile
	80 x 80 x 2,00 mm or 3,00 mm or 4,00 mm HDG Profile
Base Plate (Flange)	150x150x5,00mm
Steel DUBELS	M10 x 120 mm
Fence CLIPs	Örümcek Type Metal CLIPler
Screws	SMART SCREW
Bolts	M8x 80 or M8x100 Flat Head Bolts - Galvanized
Nuts	M8 Security Shear Nuts - Galvanized
Pole Covers	Plastic
Guarantee	10 years against corrosion
Packaging	50 Panel / Pallet



APPLICATION AREAS

MG Iron & Steel Type 358 Anti Vandalism Fence offers an effective security solution in various application areas:

- Prisons and Detention Centers:** An ideal choice to maximize security.
- Military Areas:** Used in areas requiring limited access and high security.
- Industrial Facilities:** A high security solution for factories, warehouses and industrial facilities.
- Airports and Border Security:** Meets security needs at airports and border areas.



MOBILE FENCE



Mobile fences have been developed to provide flexible and reliable security solutions for a variety of situations. These portable mobile barriers are designed to be deployed quickly without compromising strength, making them ideal for temporary security needs.

PANEL FENCE SYSTEMS

RAPID DEPLOYMENT FOR INSTANT SECURITY

Mobile Fences are designed for rapid installation, providing instant security wherever it is needed. This agility makes them well suited for events, construction sites, emergencies and other scenarios where temporary security is required. Rapid installation ensures effective and timely protection.

VERSATILITY IN TEMPORARY APPLICATIONS

Mobile fences offer versatility in temporary applications, from crowd control at events to securing construction sites during projects. The adaptability of MG Iron & Steel Temporary Mobile Fences makes them the perfect choice for situations where a temporary yet robust security solution is required.

DURABLE MATERIALS FOR RELIABILITY

Manufactured from durable materials such as galvanized steel, mobile fences provide reliability and longevity. This durability allows them to withstand a variety of weather conditions and environmental factors, ensuring consistent security throughout temporary use.

PORTABILITY FOR SECURITY ON THE MOVE

The design of these mobile fences prioritizes portability, ensuring ease of transportation and installation. Whether for short-term events or rapidly changing work environments, the mobile nature of these fences ensures safety on the move, adapting to different locations as needed.



PANEL FENCE SYSTEMS



FENCE POLES

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MG Iron & Steel is emerging as a leading organization meticulously crafted to deliver customized solutions that meet your unique security requirements. Leveraging on our vast experience and expertise in manufacturing 2D, 3D and high security wire fencing systems, we offer our valued customers a seamless blend of durability, aesthetic mastery and high security standards.



” TECHNICAL DETAILS

Product Name	Fence Posts
Raw Material	Galvanized Building Profilees
Quality	DX51 D + Z
	40x40x1,50mm
	40x40x2,00mm
	50x50x1,50mm
	50x50x2,00mm
	40x60x1,50mm
Available Square Posts	40x60x2,00mm
	60x60x1,50mm
	60x60x2,00 mm
	80x80x2,00mm
	80x80x3,00mm
	80x80x4,00mm
Existing PipedPoles	Ø 48x1,50mm
	Ø 48x2,00 mm
	Ø 48x3,00 mm
	Ø 60x1,50 mm
	Ø 60x2,00mm
	Ø 60x3,00 mm
Paint Coating	Electrostatic Powder Coating "JOTUN"

TECHNICAL PRECISION AND
QUALITY ASSURANCE

Our fence posts undergo a meticulous craftsmanship process using high-end galvanized Profilees coated with the famous JOTUN brand Electrostatic Powder Coating. This precision ensures that our products receive permanent protection. Our 2D-3D fence posts are available in various sizes and thicknesses.

Each post is backed by a 10-year rust resistance Guarantee, instilling unwavering confidence in our customers.

Coating (For Black Profilees or Pipes)	Min. 300 gr/m² Hot Dip Galvanized
	120x120x4,00 mm
Available Base Plates (Flanges)	120x130x4,00mm
	100x150x4,00 mm
	150x150x5,00mm
Screws (3D Fence Posts)	Self-attaching Screws
	M8x40 mm
Bolts (2D and 358 Fence Post)	M8x60 mm
	M8x80 mm
	M8x100 mm
RIVET Nuts (2D Fence Posts)	M8 Hexagon Head
	M10x85 mm Standard
	M10x110mm
Steel DUBELS	M12x90mm
	M12x110mm
Clips (3D Fence Posts)	Metal or Plastic CLIPler
Clips (2D Fence Posts)	Metal Euro Type CLIPler
Clips (358 Fence Post)	Metal Spider Type CLIPs
Fence Posts	Plastic or ABS





DEMİR & ÇELİK
IRON & STEEL

GRASS FENCE SYSTEMS

MEGAGRASS®







HECTOGRASS GRASS FENCE

At Hectoglass, we offer special GRASS FENCE for those looking for an aesthetic solution in harmony with nature. Hectoglass GRASS FENCE is a unique type of mesh consisting of a combination of artificial grass and galvanized wires. It is produced by sandwiching 100 micron thick, 80 micron wide, UV protected cut PVC between two 1.6 mm galvanized wires.



**EASY
INSTALLATION**



**UV
PROTECTION**



**FLAME
DURABLE**



PRIVACY



**NATURAL
VIEW**



**POWERFUL
MATERIAL**



SECURITY



**LOW
COSTLY**

TECHNICAL DETAILS



Product Type	Hectogress Artificial GRASS FENCE
Mesh Eye Size	40x40mm
Wire	Ø 1,60 mm x 2 Sequential
Wire Twisting	Double Twisted
Wire Type	Hot Dipped Galvanized Wire
Galvanization Rate	50-90 gr/m ²
Wire Standards	EN10244, BS443, DIN 1548, ASTM A475
PVC Thickness	100 Micron (+/- %10)
PVC Width	80 mm (+/- %2,5)
PVC UV	80 mm (+/- %2,5)
Colour	%99 UV Reinforced PVC
Weight (m ² / Kg)	~ 3,00 Kg/m ²
Available Heights	80cm
	100 cm
	120cm
	140cm
	150cm
	160 cm
	170 cm
	180cm
	190cm
	200cm
Available Lengths	500 cm
	1000 cm
Guarantee	3 Years Against Fading + 10 Years Against Corrosion
Packaging	Roll with special fabric caps on both sides

AESTHETIC AND VERSATILE APPLICATIONS

With a variety of height options and a natural look, our GRASS FENCES offer a wide range of uses from gardens to public spaces. Its aesthetic design beautifies your surroundings while providing a secure boundary.

Hectogress GRASS FENCE combines aesthetics, durability and environmentally friendly design to meet your GRASS FENCE needs. It offers a long-lasting solution while preserving the beauty of nature.



DECORGRASS GRASS FENCE



Experience the future of fencing with Decorglass, a state-of-the-art synthetic grass chain link fence meticulously crafted from galvanized twine and Artificial grass. The hassle-free installation feature allows you to effortlessly create a charming and spacious atmosphere with the Artificial grass wall. Perfect for a variety of settings including restaurants, cafes, tennis courts, basketball courts, schools and terraces, Decorglass adds a versatile flair that sets it apart from the cold and traditional Wire mesh.



**EASY
INSTALLATION**



**UV
PROTECTION**



**FLAME
DURABLE**



PRIVACY



**NATURAL
VIEW**



**POWERFUL
MATERIAL**



SECURITY



**LOW
COSTLY**

TECHNICAL DETAILS



Product Type	Decorgrass Artificial GRASS FENCE
Mesh Eye Size	42×42 mm
Wire	Ø 1,60 mm x 2 Sequential
Wire Twisting	Double Twisted
Wire Type	Hot Dipped Galvanized Wire
Galvanization Rate	50-90 gr/m ²
Wire Standards	EN10244, BS443, DIN 1548, ASTM A475
PVC Thickness	100 Micron (+/- %10)
PVC Width	80 mm (+/- %2,5)
PVC UV	%99 UV Reinforced PVC
Colour	%50 Dark Green + %50 Light Green
Weight (m ² / Kg)	~ 2,75 Kg/m ²
Available Heights	80cm
	100 cm
	120cm
	140cm
	150cm
	160 cm
	170 cm
	180cm
	190cm
	200cm
Available Lengths	500 cm
	1000 cm
Guarantee	3 Years Against Fading + 10 Years Against Corrosion
Packaging	Roll with special fabric caps on both sides



AESTHETIC AND VERSATILE APPLICATIONS

With a variety of height options and a natural look, our GRASS FENCES offer a wide range of uses from gardens to public spaces. Its aesthetic design beautifies your surroundings while providing a secure border

Decorgrass GRASS FENCE is resistant to high temperatures and cold weather conditions thanks to its UV protected PVC coating. This feature allows it to be used safely in all climatic conditions.



SEPTAGRASS GRASS FENCE



Experience the future of fencing with Septagrass, a state-of-the-art synthetic grass chain link fence meticulously crafted from galvanized twine and Artificial grass. The hassle-free installation feature allows you to effortlessly create a charming and spacious atmosphere with the Septagrass wall. Perfect for a variety of settings including restaurants, cafes, tennis courts, basketball courts, schools and patios, Septagrass adds a versatile flair that sets it apart from cold, traditional Wire mesh.



**EASY
INSTALLATION**



**UV
PROTECTION**



**FLAME
DURABLE**



PRIVACY



**NATURAL
VIEW**



**POWERFUL
MATERIAL**



SECURITY



**LOW
COSTLY**

TECHNICAL DETAILS



Product Type	Septagrass Artificial GRASS FENCE
Mesh Eye Size	45×45 mm
Wire	Ø 1,60 mm x 2 Sequential
Wire Twisting	Double Twisted
Wire Type	Hot Dipped Galvanized Wire
Galvanization Rate	50-90 gr/m ²
Wire Standards	EN10244, BS443, DIN 1548, ASTM A475
PVC Thickness	100 Micron (+/- %10)
PVC Width	80 mm (+/- %2,5)
PVC UV	%99 UV Reinforced PVC
Colour	%50 Dark Green + %50 Light Green
Weight (m ² / Kg)	~ 2,45 Kg/m ²
Available Heights	80cm
	100 cm
	120cm
	140cm
	150cm
	160 cm
	170 cm
	180cm
	190cm
	200cm
Available Lengths	500 cm
	1000 cm
Guarantee	3 Years Against Fading + 10 Years Against Corrosion
Packaging	Roll with special fabric caps on both sides

AESTHETIC AND VERSATILE APPLICATIONS

With a variety of height options and a natural look, our GRASS FENCES offer a wide range of uses from gardens to public spaces. Its aesthetic design beautifies your surroundings while providing a secure border

Septagrass GRASS FENCE is resistant to high temperatures and cold weather conditions thanks to its UV protected PVC coating. This feature allows it to be used safely in all climatic conditions.



MEGAGRASS GRASS FENCE



Discover the forefront of fencing with Megagrass, an innovative synthetic grass chain link fence meticulously crafted from galvanized twine and Artificial grass. The simple installation feature allows you to effortlessly create a charming and spacious environment in the shortest time with the Megagrass wall. Ideal for a variety of settings including restaurants, cafes, tennis courts, basketball courts, educational institutions and patios, Megagrass offers an element of sophistication that sets it apart from Standard Wire mesh.



**EASY
INSTALLATION**



**UV
PROTECTION**



**FLAME
DURABLE**



PRIVACY



**NATURAL
VIEW**



**POWERFUL
MATERIAL**



SECURITY



**LOW
COSTLY**

MEGAGRASS®

TECHNICAL DETAILS



Product Type	Megagrass Artificial GRASS FENCE
Mesh Eye Size	50×50 mm
Wire	Ø 1,60 mm x 2 Sequential
Wire Twisting	Double Twisted
Wire Type	Hot Dipped Galvanized Wire
Galvanization Rate	50-90 gr/m ²
Wire Standards	EN10244, BS443, DIN 1548, ASTM A475
PVC Thickness	100 Micron (+/- %10)
PVC Width	80 mm (+/- %2,5)
PVC UV	%99 UV Reinforced PVC
Colour	%50 Dark Green + %50 Light Green
Weight (m ² / Kg)	~ 2,10 Kg/m ²
Available Heights	80cm
	100 cm
	120cm
	140cm
	150cm
	160 cm
	170 cm
	180cm
	190cm
	200cm
Available Lengths	500 cm
	1000 cm
Guarantee	3 Years Against Fading + 10 Years Against Corrosion
Packaging	Roll with special fabric caps on both sides

AESTHETIC AND VERSATILE APPLICATIONS

With a variety of height options and a natural look, our GRASS FENCES offer a wide range of uses from gardens to public spaces. Its aesthetic design beautifies your surroundings while providing a secure border

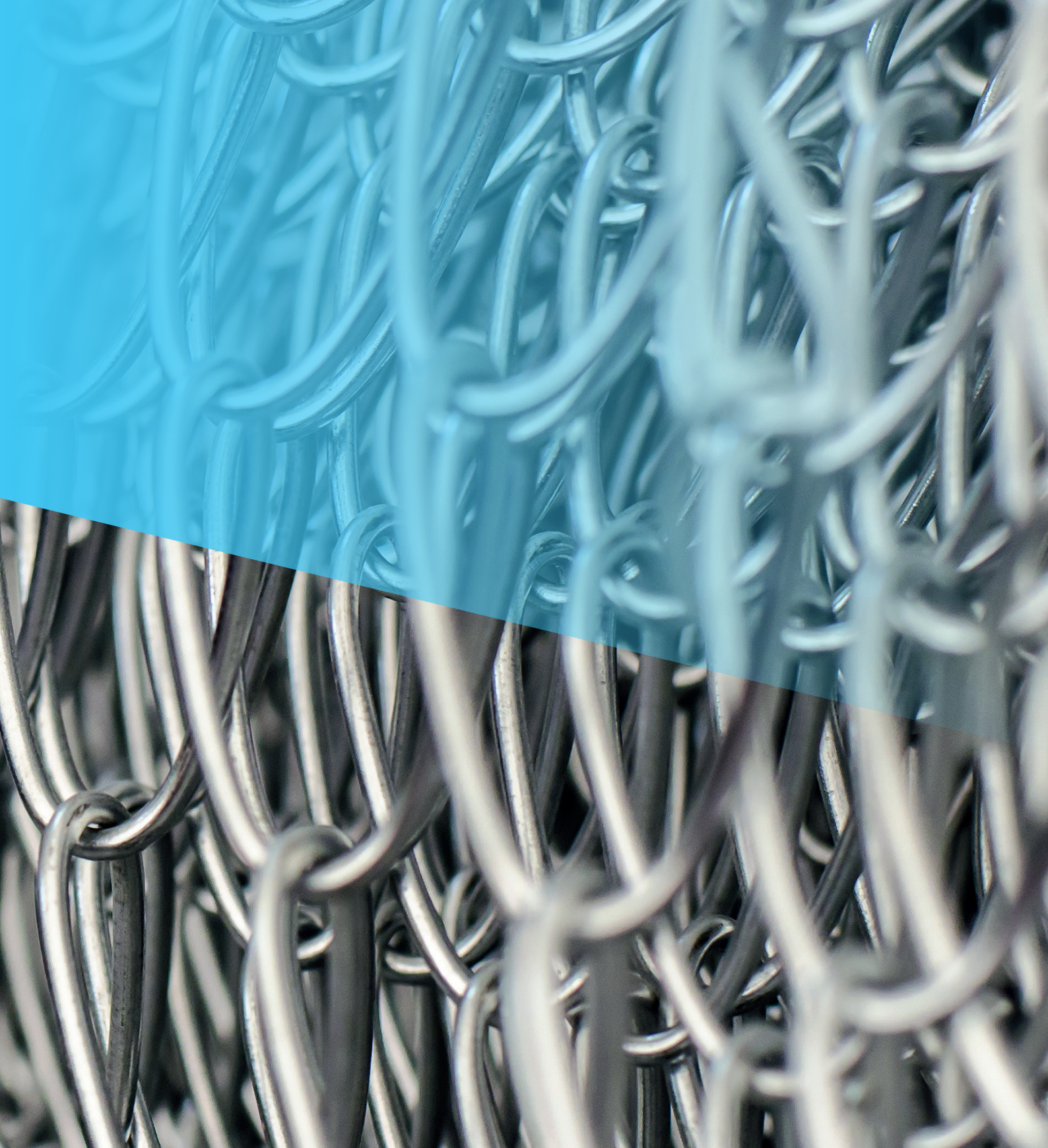
Megagrass GRASS FENCE is resistant to high temperatures and cold weather conditions thanks to its UV protected PVC coating. This feature allows it to be used safely in all climatic conditions.

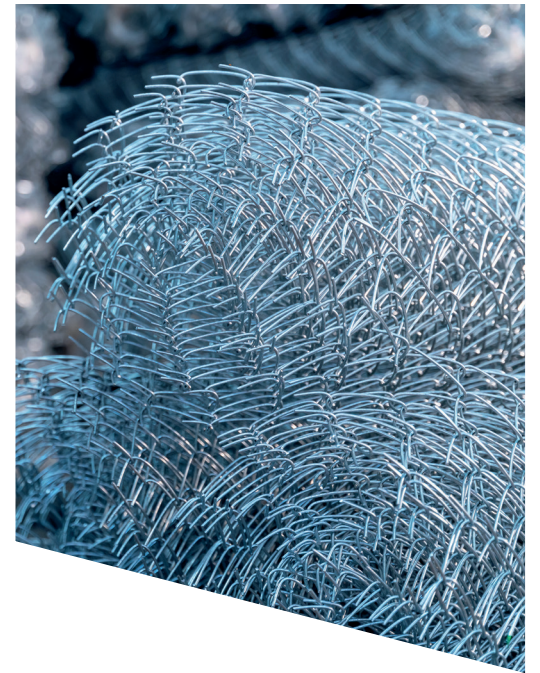
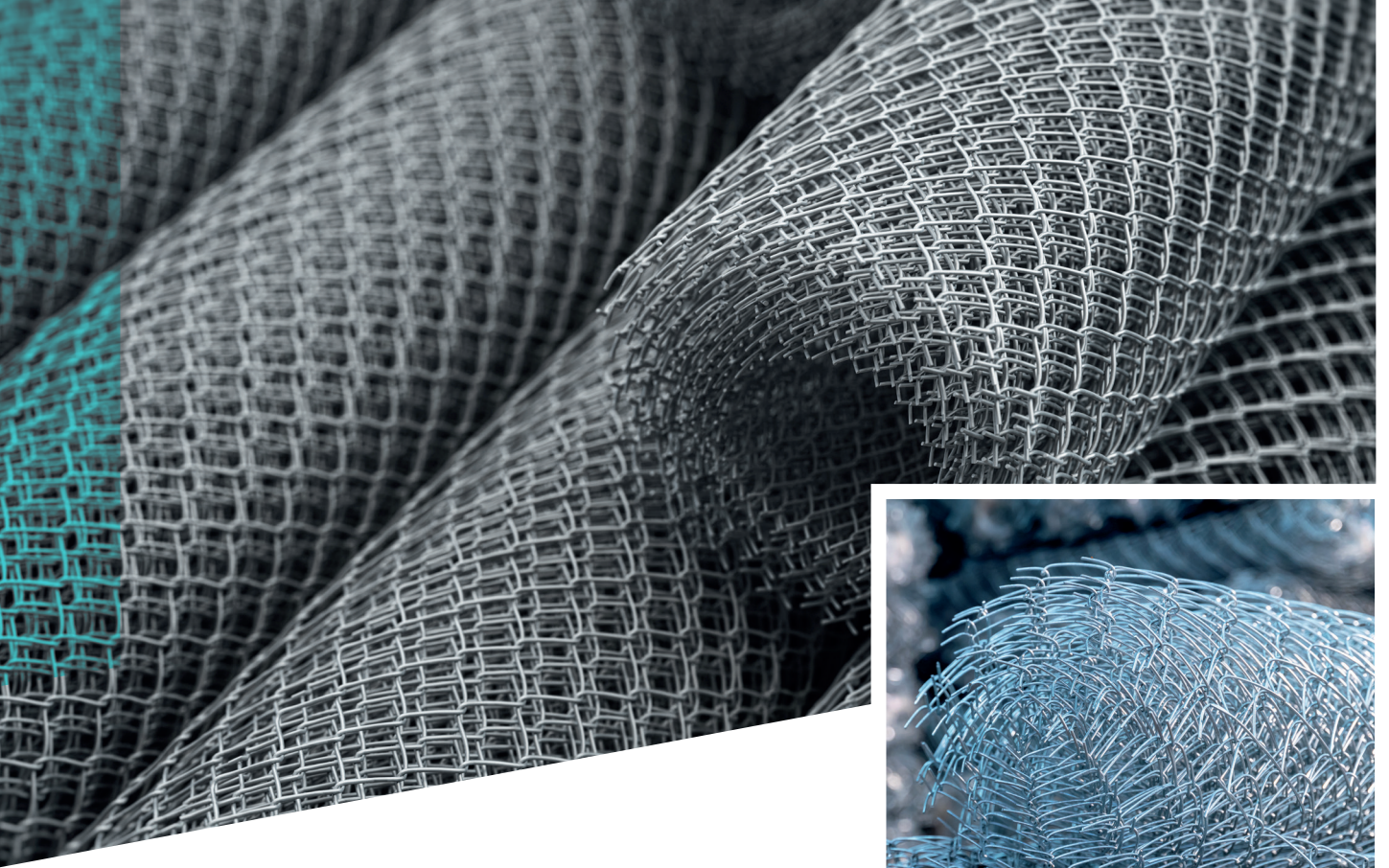


DEMİR & ÇELİK
IRON & STEEL

WIRE MESH FENCE SYSTEMS





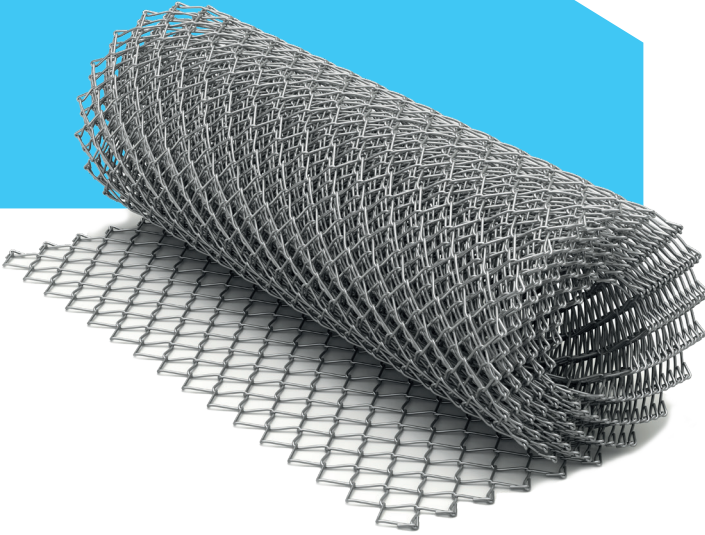


GALVANIZED MESH WIRE FENCE



Galvanized mesh Wire fence is precisely crafted and stands out for its outstanding technical features. The Wire has been Hot Dip Galvanized with a coating in accordance with industry Standards to ensure maximum corrosion resistance. Mesh sizes and Wire gauges have been carefully selected to provide optimum strength and durability, ensuring a long lasting and reliable fencing solution.

TECHNICAL DETAILS



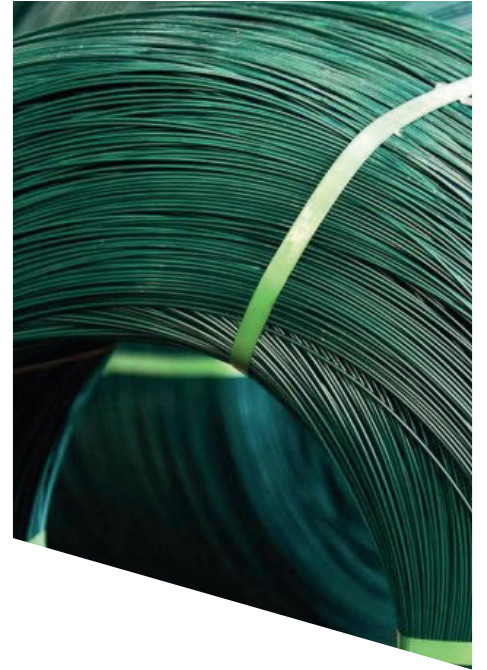
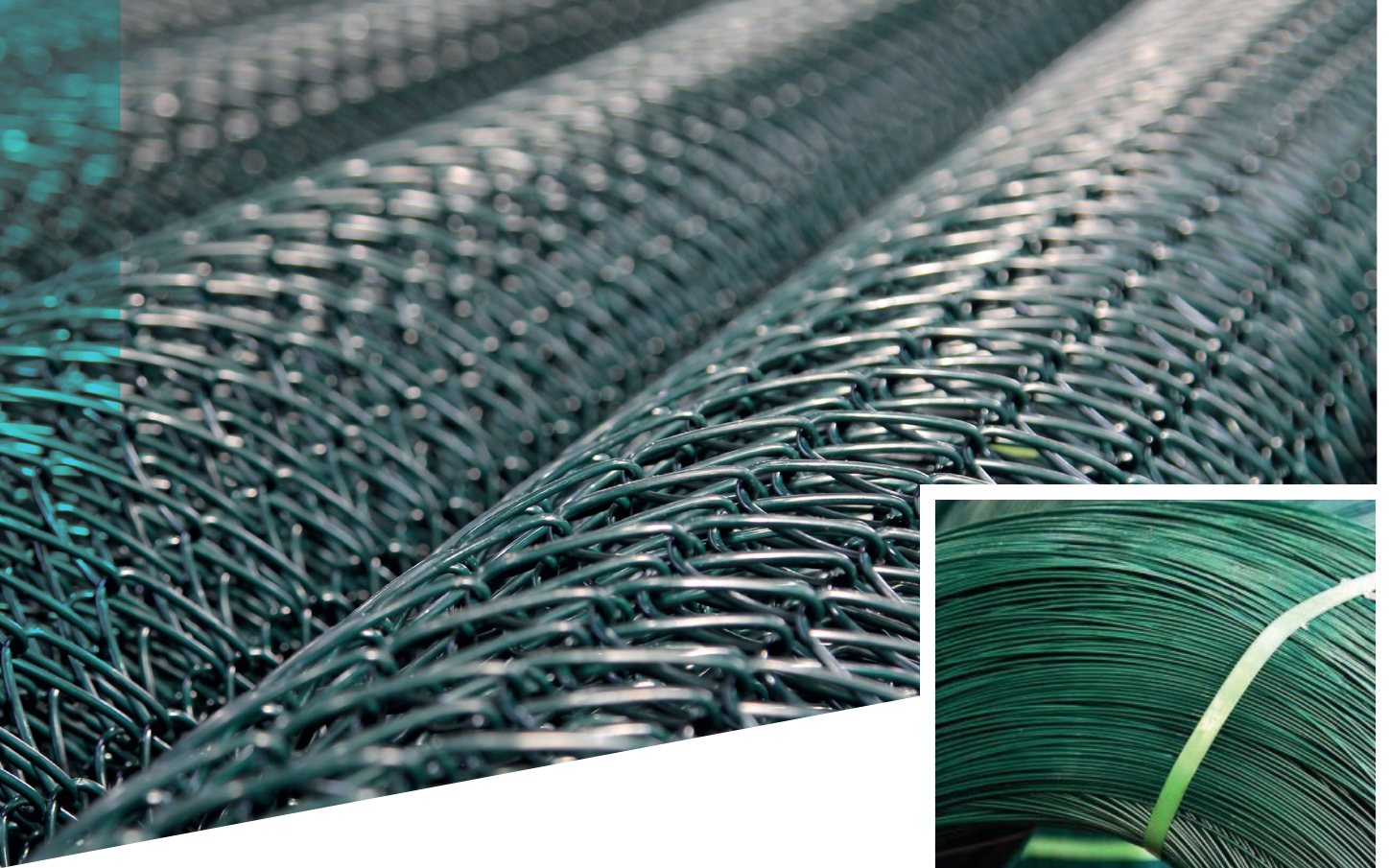
CORROSION RESISTANCE: The Hot Dip Galvanizing process provides effective protection against corrosion, ensuring a fence that stands the test of time and environmental elements.

STRENGTH AND DURABILITY: Designed with carefully selected materials and mesh configurations, our fence offers superior strength and durability, contributing to its longevity and reliability.

VISIBILITY AND AESTHETICS: The open mesh design maintains visibility without compromising Security and the galvanized Coating offers a clean and bright appearance that enhances the overall aesthetics of the fencing solution.

Product Type	Galvanized Mesh Wire Fence
Raw Material	Hot Dipped Galvanized Wire
Coating Thickness	50 – 90 gr/m ²
Tensile Strength	400 – 500 N/mm ²
Available Heights	80cm
	100 cm
	120cm
	140cm
	150cm
	160 cm
	180cm
	200cm
	220cm
	250cm
	300cm
	400cm
Available Lengths	500cm
	1000cm
	1500cm
	2000cm
Guarantee	10 Years Against Corrosion
Packaging	Roll

Wire Thickness (Ø)	Mesh Size							
	40x40mm	45×45 mm	50×50 mm	55×55 mm	60×60 mm	65×65 mm	70x70mm	75×75 mm
2,00mm	✓	✓	✓	✓	✓	✓	✓	✓
2,10mm	✓	✓	✓	✓	✓	✓	✓	✓
2,20mm	✓	✓	✓	✓	✓	✓	✓	✓
2,30mm	✓	✓	✓	✓	✓	✓	✓	✓
2,35mm	✓	✓	✓	✓	✓	✓	✓	✓
2,40mm	✓	✓	✓	✓	✓	✓	✓	✓
2,50mm	✓	✓	✓	✓	✓	✓	✓	✓
2,60mm	✓	✓	✓	✓	✓	✓	✓	✓
2,70mm	✓	✓	✓	✓	✓	✓	✓	✓
2,80mm	✓	✓	✓	✓	✓	✓	✓	✓
3,00mm	X	X	✓	✓	✓	✓	✓	✓
3,50mm	X	X	✓	✓	✓	✓	✓	✓
4,00mm	X	X	✓	✓	✓	✓	✓	✓



PVC COATED BRIDGE WIRE FENCE



Our PVC coated chain link fence exemplifies precision and Quality in its technical specifications. Galvanized Wire mesh is meticulously coated with high quality PVC material to provide both durability and corrosion resistance. Carefully selected mesh sizes and Wire dimensions enhance structural integrity, providing a robust and effective fencing solution.

WIRE MESH FENCE SYSTEMS



TECHNICAL DETAILS



Product Type	PVC Coated Mesh Wire Fence
Raw Material	Hot Dipped Galvanized Wire
PVC Coating Thickness	1,00mm
Tensile Strength	400 – 500 N/mm ²
Available Heights	80cm
	100 cm
	120cm
	140cm
	150cm
	160 cm
	180cm
	200cm
	220cm
	250cm
	300cm
	400cm
	500cm
	600cm
Available Lengths	500cm
	1000cm
	1500cm
Guarantee	2000cm
	10 Years Against Corrosion
Packaging	Roll

CORROSION RESISTANCE: Galvanized Wire mesh combined with PVC Coating creates a strong defense against corrosion, providing a fence that withstands environmental challenges.

COLOUR OPTIONS: PVC Coating offers a range of Colour options allowing customization to complement the visual appeal of the surrounding environment.

STRENGTH AND DURABILITY: Designed for strength, our PVC Coated chain link fence guarantees durability, ensuring long lasting performance and Security.

VERSATILITY AND AESTHETICS: Suitable for a variety of applications, this fence seamlessly combines versatility and aesthetics, making it an ideal choice for both functional and visually pleasing fencing solutions.

LOW MAINTENANCE: Enjoy the benefits of a low-maintenance fencing option, as PVC Coating not only increases durability but also makes cleaning and maintenance easier.

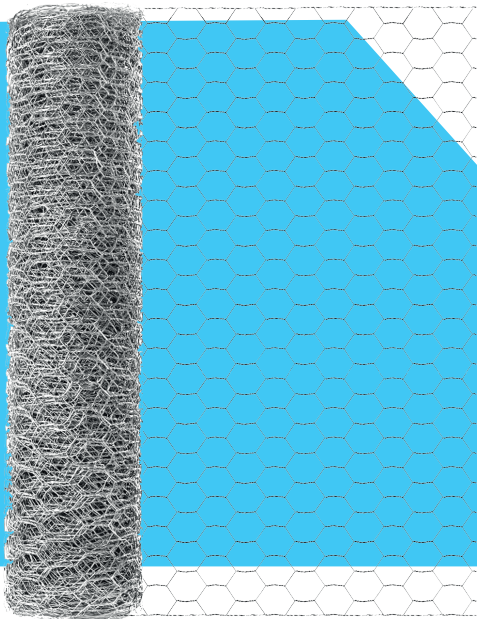
Core Wire Thickness (Ø)	PVC Coating Thickness	PVC Coated Wire Thickness	Mesh Size							
			40x40mm	45×45 mm	50×50 mm	55×55 mm	60×60 mm	65×65 mm	70x70mm	75×75 mm
2,00mm	1,00mm	3,00mm	✓	✓	✓	✓	✓	✓	✓	✓
2,50mm		3,50mm	X	✓	✓	✓	✓	✓	✓	✓
3,00mm		4,00mm	X	X	✓	✓	✓	✓	✓	✓



POULTRY WIRE

”

Poultry Wire is manufactured from high quality Hot Dipped Galvanized Wire especially using SAE 1006 steel. It provides corrosion resistance and long life, making it ideal for chicken and other poultry enclosures. Our poultry wire manufacturer company is a manufacturer that prioritizes durability and high quality. Poultry Wire has a wide range of uses and provides safe solutions in farms, gardens and animal shelters. The manufacturer aims to meet the needs of its customers by producing in accordance with industrial standards.



TECHNICAL DETAILS



Product Type	Poultry Wire
Raw Material	Hot Dipped Galvanized Wire
Wire Diameter	Ø 0,60mm
Twisting Direction	Reverse Twist
Mesh Size (Eye Spacing)	1 inch
Roll Width	Standard 1 mt, 1,20 mt, 1,50 mt, 2 mt (Personalized)
Roll Length	Standard 20 mt, 10 mt, 50 mt (Personalized)

An ideal poultry Wirei can vary depending on the type of animal to be used and the conditions in the poultry house, but in general it should have the following characteristics:

DURABILITY: It is important that the poultry wire is durable. It should have a structure that is resistant to escape or damage attempts by animals.

RUSTPROOF: Poultry Wire should be rustproof to ensure a long life and reduce maintenance costs. Stainless materials such as Galvanized or PVC Coated Wire are preferred.

SECURITY: Poultry Wire should be designed to keep the animals safe. It is important that the wire is spaced at frequent intervals or at the appropriate height to ensure that animals inside the poultry house are not exposed to external hazards.

EASE OF INSTALLATION: It is important that the ideal poultry wire can be easily assembled and properly positioned. It saves labor and time.

AFFORDABLE COST: It is important that the Poultry Wire is cost effective, but without compromising on Quality. Choosing an affordable but Quality Wire can reduce costs in the long run.

AIR PERMEABILITY: The air permeability of Poultry Wire is important to ensure good air circulation in the poultry house. It keeps the animals relaxed and healthy.

APPROPRIATE SIZE AND SHAPE: It is important that the Poultry Wire is sized and shaped according to the size and species of the animals. It prevents animals from escaping and provides a comfortable living space.

These factors need to be taken into consideration when choosing Poultry Wire. It is also important to make sure that it complies with local regulations and Standards.

With a 1-inch mesh size and high quality materials, this chicken coop wire offers a reliable and customizable solution for poultry enclosures and other applications. The combination of Hot Dipped Galvanized Wire, Reverse Twist and customizable sizes make it a versatile and robust choice for different needs.



PLANAR RAZOR WIRE



Planar Razor Wires are designed to upgrade Security measures for various environments thanks to the state-of-the-art Security solution offered by MG Demir & Çelik. This innovative range of Thorn Wire combines advanced technology with durability to provide an effective deterrent against unauthorised access.

WIRE MESH FENCE SYSTEMS

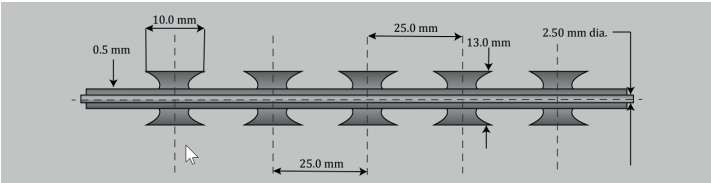


TECHNICAL DETAILS

Product Type	Planar Razor Wire
Quality Standard	EN 8745
Unprocessed Contents	Hot Dipped Galvanized Wires, AISI 430 Steel Wires, AISI 304 Steel Wires
Core Wires	AISI 304, AISI 430 Steel Wires or Hot Dipped Galvanized Wires
Core Wire Diameters	Ø 2,50 mm (±0,05)
Blade Thickness	0,50 mm (±0,05)
Available Blade Types	BTO 10 – Short Blade
	BTO 22 – Middle Blade
	CBT 65 – Butterfly Blade
Available Diameters	Ø450mm
	Ø 600mm
	Ø700mm
	Ø965mm

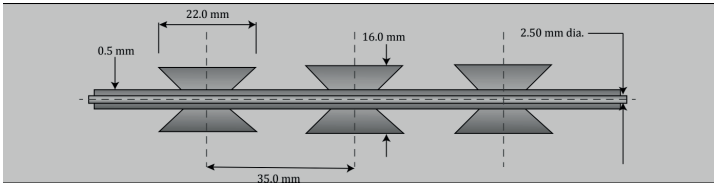
CUSTOMISABLE SOLUTIONS FOR SPECIAL NEEDS

MG Iron & Steel recognises that different environments have unique Security requirements. With this in mind, our Planar Razor Wires are available in a variety of configurations and sizes allowing customisation to specific Security needs. This adaptability makes it a versatile choice for a wide range of Security applications.



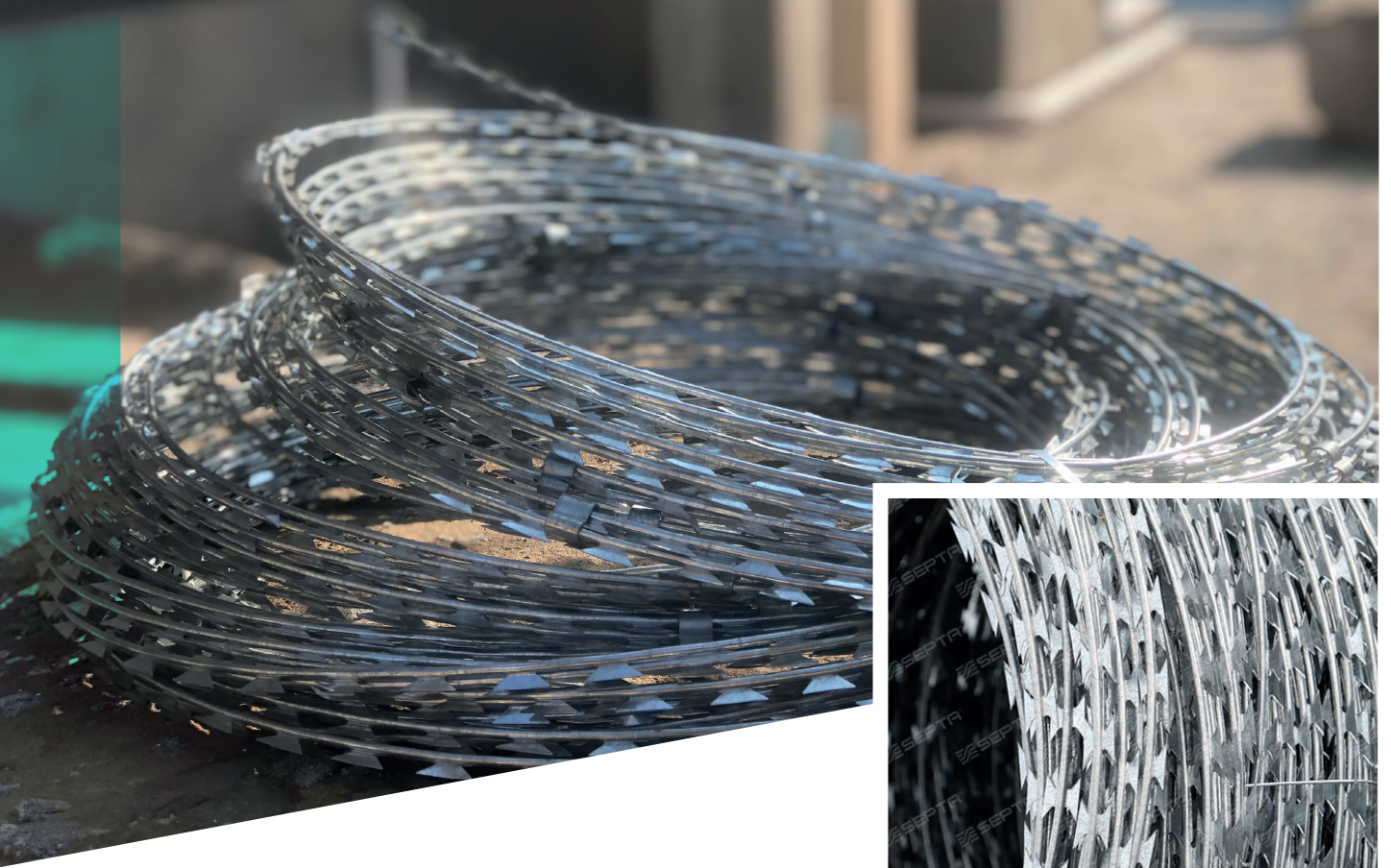
BTO 10 TECHNICAL DETAILS

Thorn Thickness	0,50 mm
Thorn Length	10mm
Thorn Width	13mm
Thorn Range	25mm
Core Wire Diameter	Ø2,50mm



BTO 22 TECHNICAL DETAILS

Thorn Thickness	0,50 mm
Thorn Length	22 mm
Thorn Width	16mm
Thorn Range	35mm
Core Wire Diameter	Ø2,50mm



HELEZONICS RAZOR WIRE



It is made of galvanized or stainless steel and adapted to different environments and Security classes. Spiral razor tape is highly resistant to crushing or crushing and is almost impossible to cut without special tools; Even with tools such the process remains slow and dangerous.

WIRE MESH FENCE SYSTEMS



TECHNICAL DETAILS

Product Type	Helezonics Razor Wire
Unprocessed Contents	Hot Dipped Galvanized Wires, AISI 430 Steel Wires, AISI 304 Steel Wires
Core Wires	AISI 304, AISI 430 Steel Wires or Hot Dipped Galvanized Wires
Core Wire Diameters	Ø2,50mm
Blade Thickness	0,50 mm

BTO 10 – Short Blade

Available Blade Types

BTO 22 – Middle Blade

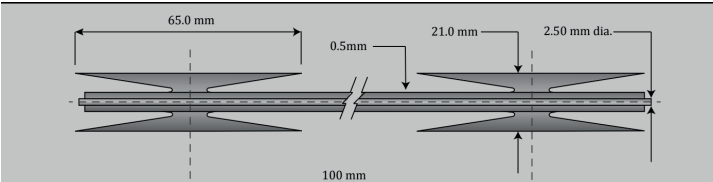
CBT 65 – Butterfly Blade

Available Diameters

Ø 450mm

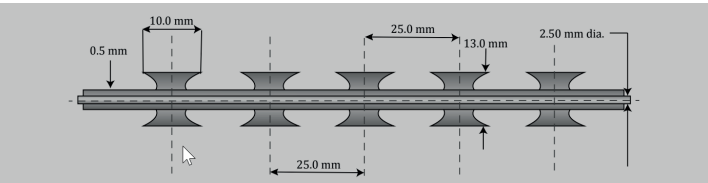
Ø 600mm

Ø 900mm



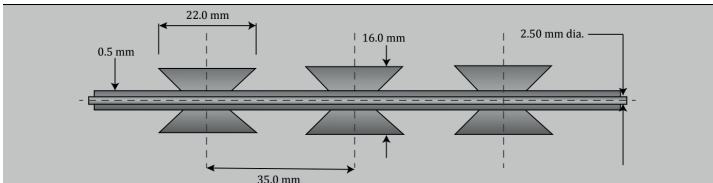
CBT 65 TECHNICAL DETAILS

Thorn Thickness	0,50 mm
Thorn Length	65mm
Thorn Width	51 mm
Thorn Range	100 mm
Core Wire Diameter	Ø2,50mm



BTO 10 TECHNICAL DETAILS

Thorn Thickness	0,50 mm
Thorn Length	10mm
Thorn Width	13mm
Thorn Range	25mm
Core Wire Diameter	Ø2,50mm



BTO 22 TECHNICAL DETAILS

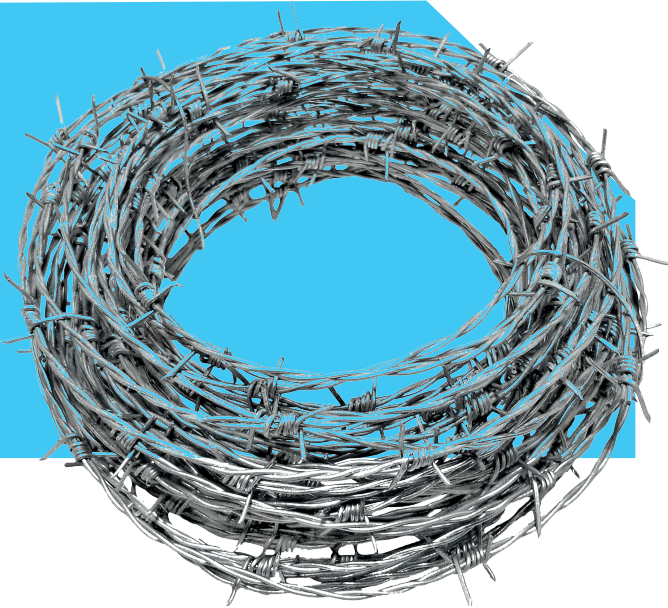
Thorn Thickness	0,50 mm
Thorn Length	22 mm
Thorn Width	16mm
Thorn Range	35mm
Core Wire Diameter	Ø2,50mm



BARBED WIRE



With the increasing need for Security in today's world, Thorn Wires play an important role in a wide range of areas from private properties to industrial facilities. As MG Demir & Çelik, we are proud to offer special Thorn Wire solutions to ensure the security of our customers and protect their property. We stand out with our diversity, especially by giving weight to Reverse Twist and conventional twisted razor wire.



TECHNICAL DETAILS



Twist Type	Reverse Twist
Raw Material	Hot Dipped Galvanized Wire
Core (Rope) Wire Diameter	Ø 1,30 mm – Ø 2,50 mm
Thorn Wire	Ø 1,30 mm – Ø 2,50 mm
Thorn Length	12,5 mm ± 3,5 mm
Available Lengths	125 m
	200 m
	250 m
Coil Weight	3,5 – 20 Kg
Between the Thorns Distance	100mm±10mm. Various nail spacing options from 75mm to 160mm are also available.
Bending Distance	25mm

REVERSE TWIST THORN WIRES

MG Iron & Steel's Reverse Twisted Thorn Wires are designed to provide exceptional Security. Manufactured from Hot Dipped Galvanized Wires in various thicknesses, these Thorn Wires are available in rolls from 3.5 kg to 20 kg. These Wires maximize security by effectively acting as barriers in border security, military facilities, airports and other high security areas.

TRADITIONAL TWIST THORN WIRES

MG Iron & Steel's conventional Twisted Thorn Wires offer solutions to traditional Security needs. Manufactured from Hot Dipped Galvanized Wires in different thicknesses, these conventional Twisted Thorn Wires are available in rolls from 8 kg to 25 kg. Ideal for increasing security in industrial plants, warehouse areas and similar places, these Wires are a reliable choice.

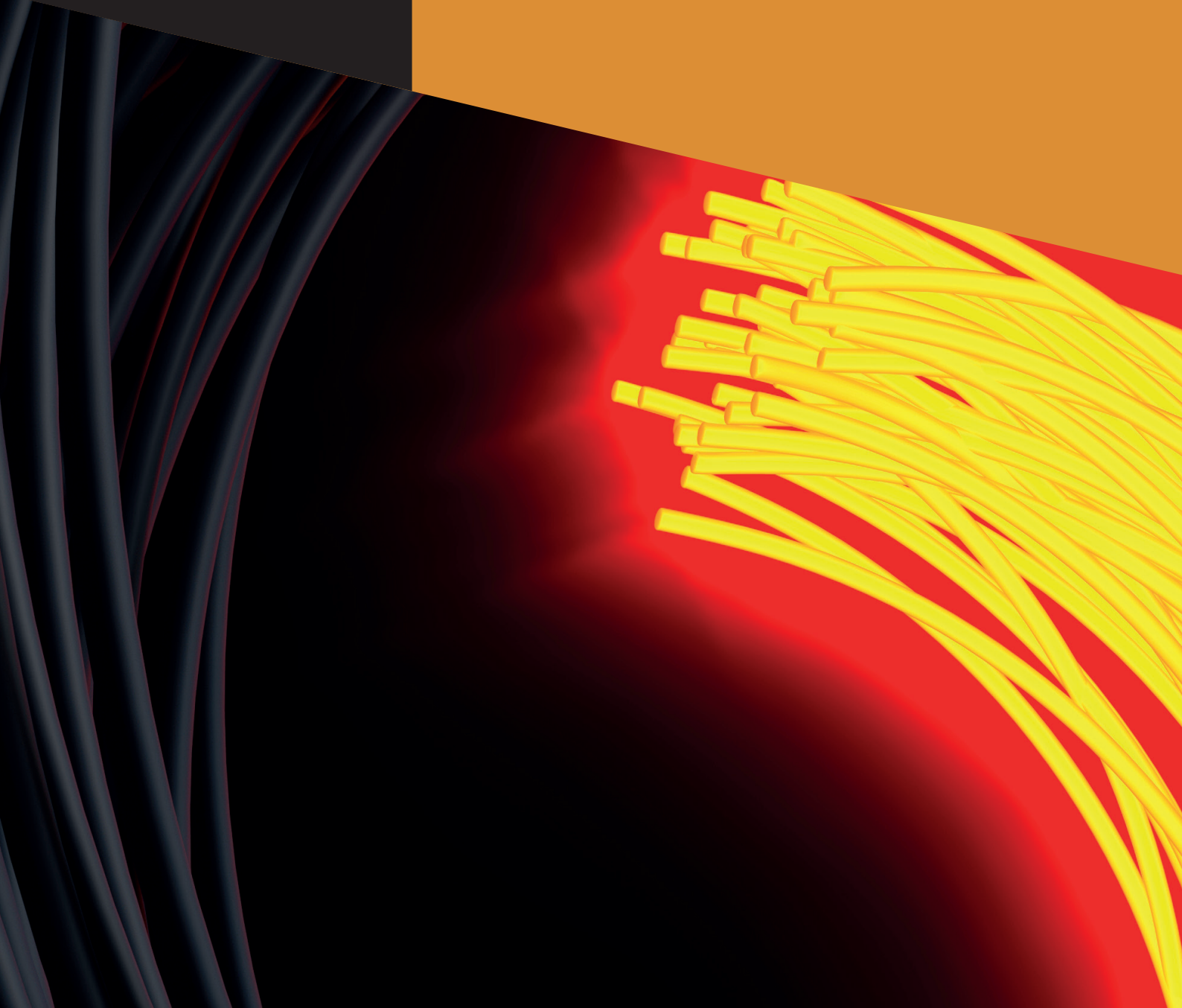
Both types of Thorn Wire are manufactured from high quality materials, ensuring durability and long life. With our commitment to provide the best Security solutions, MG Iron & Steel is here to protect your properties and ensure security. Our solutions that prioritize security make MG Demir & Çelik the choice to feel safe.

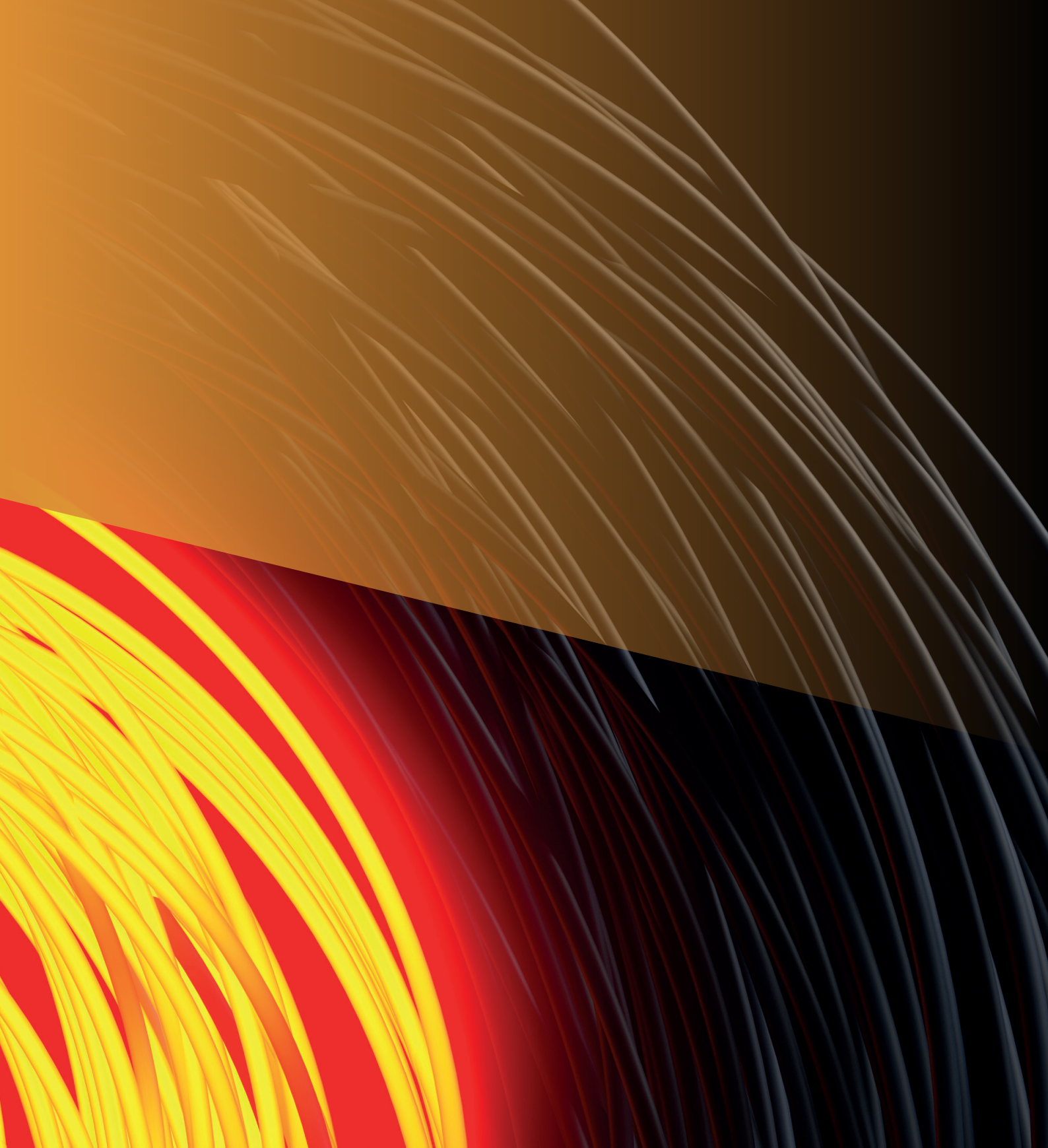
Twist Type	Traditional Twist
Raw Material	Hot Dipped Galvanized Wire
Core (Rope) Wire Diameter	Ø 1,30 mm – Ø 2,50 mm
Thorn Wire	Ø 1,30 mm – Ø 2,50 mm
Thorn Length	12,5 mm ± 3,5 mm
Available Lengths	125 m
	200 m
	250 m
Coil Weight	8 kg – 25 kg
Between the Thorns Distance	100mm±10mm. Various nail spacing options from 75mm to 160mm are also available.

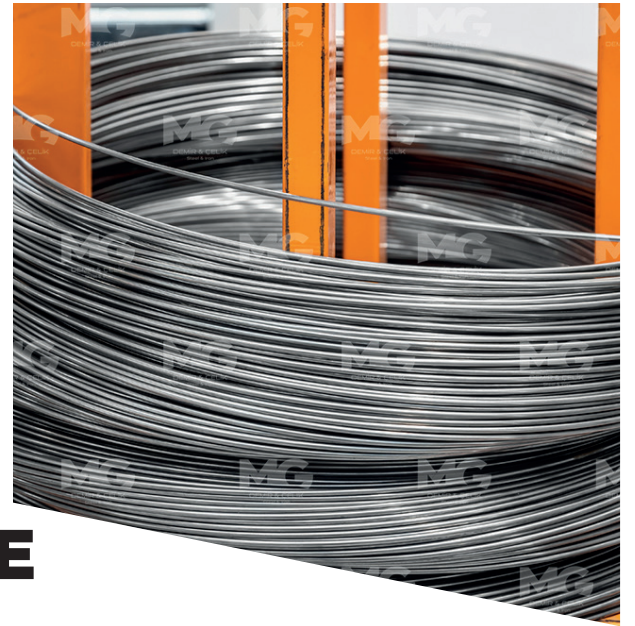
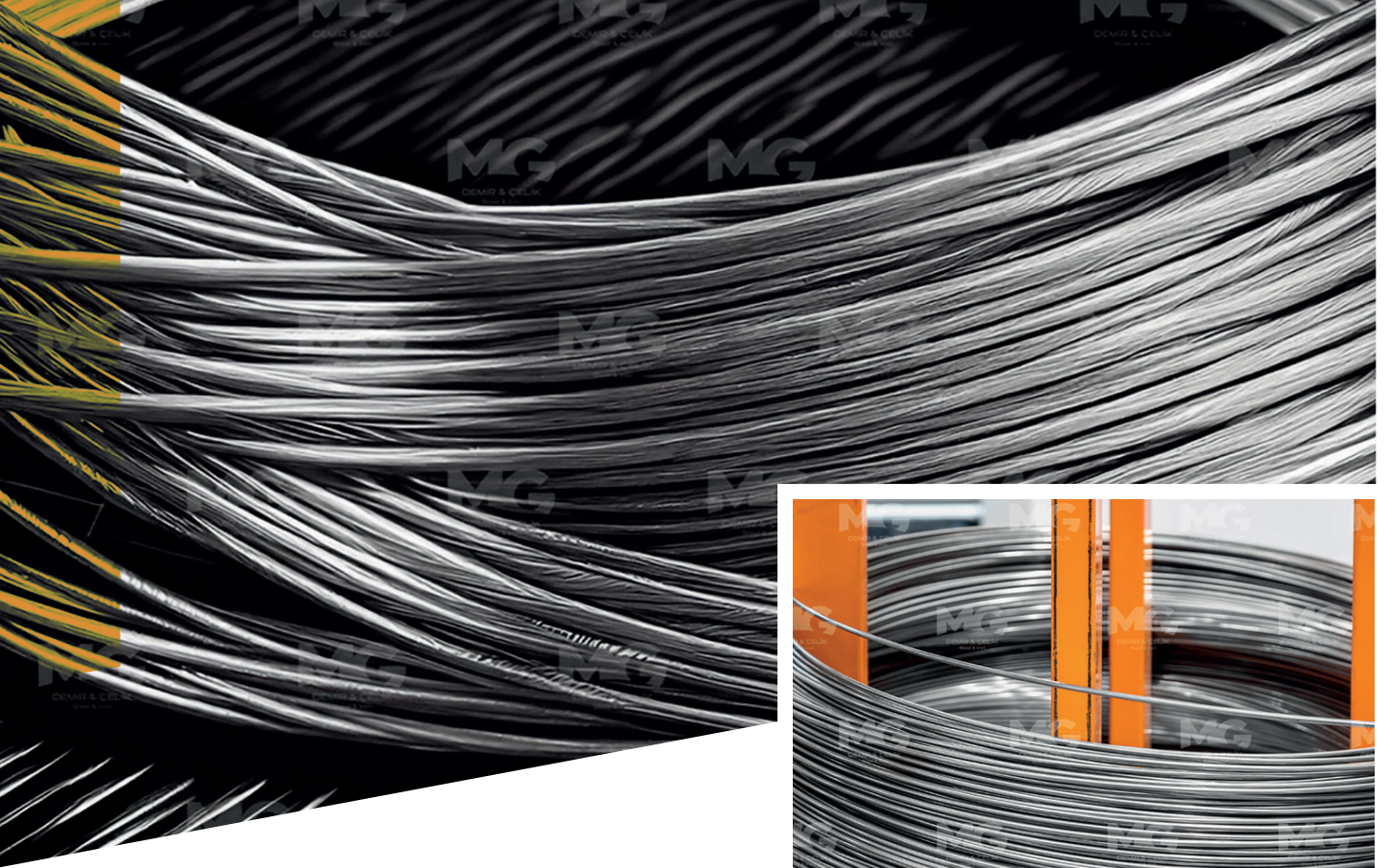


DEMİR & ÇELİK
IRON & STEEL

CONSTRUCTION MATERIALS







HOT DIP GALVANIZED WIRE



We offer durable and effective solutions by minimizing material, energy and labor losses by using Galvanized Coated Wires, which are widely used in industrial sectors.

Galvanized Coating has long been a preferred method of protecting metal products from corrosion. Combining this traditional method with modern technology, MG Demir takes a leading role in the production of various products such as Thorn Wire, Thorn Wire, fence Wire, spiral fence Wire (fence net), straightening Wire, PVC Coated Wire, PANEL FENCE.

Galvanized Wires show durability especially when exposed to environmental factors. This ensures long life of the products and reduces maintenance and duplication costs. Specializing in the production of high quality and reliable materials, MG Demir is an expert in providing industrial solutions.



HIGH GALVANIZED COATED WIRES

In line with customer demands, we continue to produce Wire with Coating Thickness according to customer preference. By using nitrogen wiping system in our facility, we produce Wires with Coating Thickness ranging from 100 to 300 gr/m², in accordance with Class A Coating Standards specified in TS EN 10244-2.

Feature	Size / Value
Unprocessed Contents	Low carbon steel, SAE 1006 - SAE1008 - SAE 1010
Wire Diameters (Ø)	1,00 mm – 5,50 mm
Coating Thickness	100 – 300 gr/m ²
Tensile Strength	400 – 500 N/mm ²
% Elongation	– 32
Product Standard	TS EN 10244-2, Sinif A
Wrap Shape	Clockwise

PACKAGING

Galvanized Wires of Commercial Quality, High Coating and High Strength varieties are meticulously packed as per the sizes and quantities mentioned in the given list. These are securely packed with steel or Plastic straps and covered with shrink foil. Rosette Wrapped package options range from 50 kg to 1000 kg.

0,80 – 1,30 mm Galvanized Wires	Size / Value
Inside Diameter	35 – 40cm
Outside Diameter	65 – 70cm
Coating Thickness	100 – 300 gr/m ²

1,40 – 5,50 mm Galvanized Wires	Size / Value
Inside Diameter	50 – 55cm
Outside Diameter	80 – 85cm
Coating Thickness	100 – 300 gr/m ²

The packaging range of 400 - 500 kg for Commercial Quality is Standard and can be customized upon request to accommodate preferred sizes and specified Wire lengths. Special packaging options from 5 kg to 50 kg are also available upon request.

TECHNICAL DETAILS

COMMERCIAL QUALITY GALVANIZED WIRES

Developed through galvanizing, these Wires offer robust solutions for a variety of applications. Known for their durability, they find use in fencing, construction and agriculture. Galvanized Coating ensures long life and optimum performance, making them a reliable choice for various projects.

Feature	Size / Value
Unprocessed Contents	Low carbon steel, SAE 1006 - SAE1008 - SAE 1010
Wire Diameters (Ø)	0,80 mm – 5,50 mm
Coating Thickness	40 – 90 gr/m ²
Tensile Strength	400 – 500 N/mm ²
% Elongation	– 32
Product Standard	TS EN 10244-2, Sinif D
Wrap Shape	Clockwise

HIGH STRENGTH GALVANIZED WIRE

Our state-of-the-art Hot Dip Galvanizing Plants are equipped with state-of-the-art electronic equipment specifically designed to effectively meet customer needs. In these automated plants, both fluidized bed annealing furnace and open flame annealing furnace options are seamlessly integrated to effortlessly achieve the desired strength range.

Feature	Size / Value
Unprocessed Contents	Low carbon steel, SAE 1006 - SAE1008 - SAE 1010
Wire Diameters (Ø)	1,00 mm – 5,50 mm
Coating Thickness	40 – 90 gr/m ²
Tensile Strength	400 – 500 N/mm ²
Wrap Shape	Clockwise



ANNEALED WIRE



In the production of Annealed Wire, we are proud to produce high quality black annealed construction wires from 0.89 mm to 4.00 mm. Our meticulous manufacturing process includes subjecting the wire to an intensive 11-hour annealing process in ovens set at 900 to 950 degrees Celsius.

TECHNICAL DETAILS



Product	Construction Wires
Raw Material	Low carbon steel, SAE 1006 – SAE 1008
Annealed Wire Diameters	Ø 0,89mm
	Ø 1,00mm
	Ø 1,20mm
	Ø 1,50mm
	Ø 2,00mm
	Ø 2,00mm – 4,00mm
Tensile Strength	300 – 450 N/mm ²
% Elongation	– 32
Annealing Time	9 – 11 Time
Annealing Temperature	900° – 950°
Packaging	25 – 50 Kg Rolls

ADVANTAGES OF ANNEALED WIRE

- **FLEXIBILITY:** The annealing process increases the flexibility of the wire, making it easy to shape and adapt to different construction applications.
- **DURABILITY:** Black annealed wires resist harsh construction conditions with their excellent durability.
- **CORROSION RESISTANCE:** Black annealed Coating increases the resistance of the Wire to corrosion, which ensures the long life of the Wire.
- **DIVERSITY:** Black annealed wires, which can be produced in different sizes and dimensions, are suitable for various construction applications.

AREAS OF USE OF ANNEALED WIRE

- **FRAMING:** Insidein is used to create a framework in construction projects. Concrete Reinforcement: Insidein is ideal for reinforcing concrete structures.
- **FENCING:** Can be used for security and boundary determination purposes. Other Construction Needs: Provides a flexible and reliable solution at different stages of projects.

Black annealed wire is obtained by strengthening steel wire by annealing process. The annealing process is carried out by heating the wire at a certain temperature and cooling it slowly. This process changes the inside structure of the wire, increasing its flexibility, thus making the wire more durable and malleable. Black annealed Wire, Featurele is widely used in the construction industry in framing, concrete reinforcement, fencing and various other applications.

We are the leading manufacturer company in the production and wholesale of Annealed Construction Wire. We are a reliable solution partner for construction projects with our products that offer superior quality, durability and flexibility. As a manufacturer of black annealed construction wire, we constantly work to provide the best products to our customers and contribute to creating a reliable foundation for them.



CONSTRUCTION NAIL



Versatile in their applications, construction nails serve as essential components in a wide range of building and woodworking projects. Their various types and sizes meet specific needs in different construction contexts.



FRAMING: Construction nails are widely used in framing structures and securely and securely fasten the framework of buildings. They play an important role in connecting beams, studs and other framing members.

ROOF COATING: These nails are very important in the roof Coating industry where they provide weather resistance and structural integrity by securely fastening roof Coating materials such as shingles and shingles.

CARPENTRY AND WOODWORKING: In carpentry and woodworking in general, construction nails find application in the assembly of wooden components, furniture crafting and the creation of various wooden structures.

FENCE: Construction nails play a vital role in fencing projects by providing a reliable solution for attaching fence panels to posts and ensuring the durability of the overall fence structure.

FLOORING: Nails are used to fasten flooring materials such as wood planks or laminate and contribute to the stability and longevity of the flooring system.

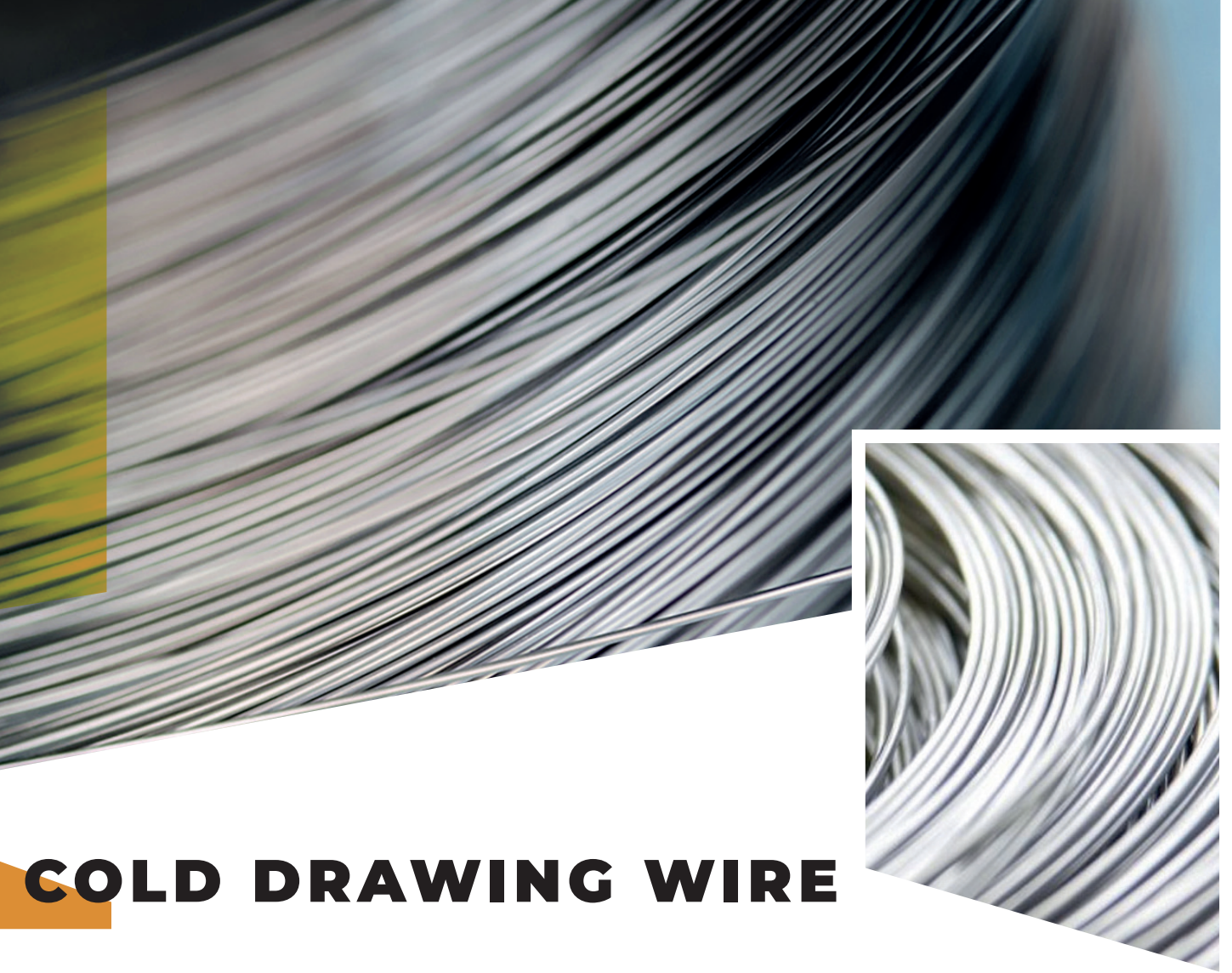
TECHNICAL DETAILS

Product	Construction Nails
Raw Material	Low Carbon Steel - SAE 1010
Nail Diameter (Ø)	2,50 mm – 6,00 mm
Nail Length	40 – 200mm
Nail Head Type	Countersunk Head
Head Diameter	Nail Body x 2
End Part	Aged and shiny
Packaging	5 Kg - 10 Kg - 25 Kg in Cartoon Boxes
OEM Package	According to minimum order quantity OEM packing is available.

CONCRETE MOLD: Inside the concrete mold, special construction nails are used to fix the mold in place during the pouring and hardening of the concrete, thus ensuring precise shapes and structures.

GENERAL CONSTRUCTION: Whether temporary structures or permanent fixtures, construction nails are indispensable in a wide variety of general construction applications and provide sturdy and reliable fastening solutions.

As a leading supplier of construction nails, we prioritize providing Products that meet the construction industry's stringent Standards. Our nails are a testament to strength, durability and precision, meeting the diverse needs of builders and craftsmen in a variety of construction projects.



COLD DRAWING WIRE



Standing out with their precision and superior mechanical features, cold-drawn wires find wide use in a wide range of applications. Their versatility and reliability make them indispensable in various industries.



TECHNICAL DETAILS

Raw Material	Low carbon steel, SAE 1006 - SAE1008 - SAE 1010
0,80 – 6,00 mm	2,50 mm – 6,00 mm
Tensile Strength	650 – 1200 N/mm2
Packaging	Vertical/Horizontal Coil, Reel or In 30, 40, 60 coils

APPLICATION AREAS

- AUTOMOTIVE INDUSTRY:** Cold drawn Wires are very important in the automotive industry where they are used in the production of precision components such as springs, fasteners and cables, contributing to the overall efficiency and performance of vehicles.
- CONSTRUCTION AND INFRASTRUCTURE:** In construction, cold-drawn Wires play a vital role in strengthening concrete structures, producing high-strength Wire Ropes and creating durable fencing materials. Their rigidity increases the structural integrity of buildings and infrastructure.
- MANUFACTURING AND MACHINERY:** These Wires are widely used in the manufacturing industry in the production of gears, bearings and other critical machinery components. Their precision and power contribute to the reliable operation of the machines.
- ELECTRONICS AND ELECTRICAL APPLIANCES:** Cold drawn wires are used in the production of electrical components, connectors and various devices. Their consistent quality and conductivity make them suitable for applications requiring reliability in electrical systems.
- AVIATION INDUSTRY:** The aviation industry benefits from the use of cold drawn Wires in applications where lightweight yet strong materials are required. These Wires contribute to the manufacturing of aircraft components, providing both strength and reliability.
- GENERAL MANUFACTURING:** In general manufacturing, cold drawn wires find application in a number of products including bolts, nuts, screws and springs where their precision and durability are critical.

AUXILIARY PARTS

SINGLE PANEL FENCE PARTS



DUBEL



CLIP



SMART SCREW

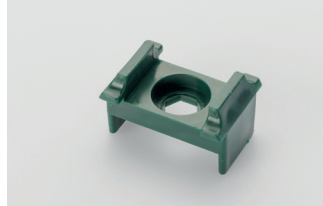


COVER

DOUBLE PANEL FENCE PARTS



DUBEL



CLIP



RIVET SCREW



RIVET



SQUARE NUT



COVER

358 HIGH SECURITY FENCE PARTS



BOLT AND NUT



SPIDER



COVER



DEMİR & ÇELİK
IRON & STEEL



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