demma
WELDED WIRE MESH INCORP.















Company Information & Product Catalog

www.demma.com

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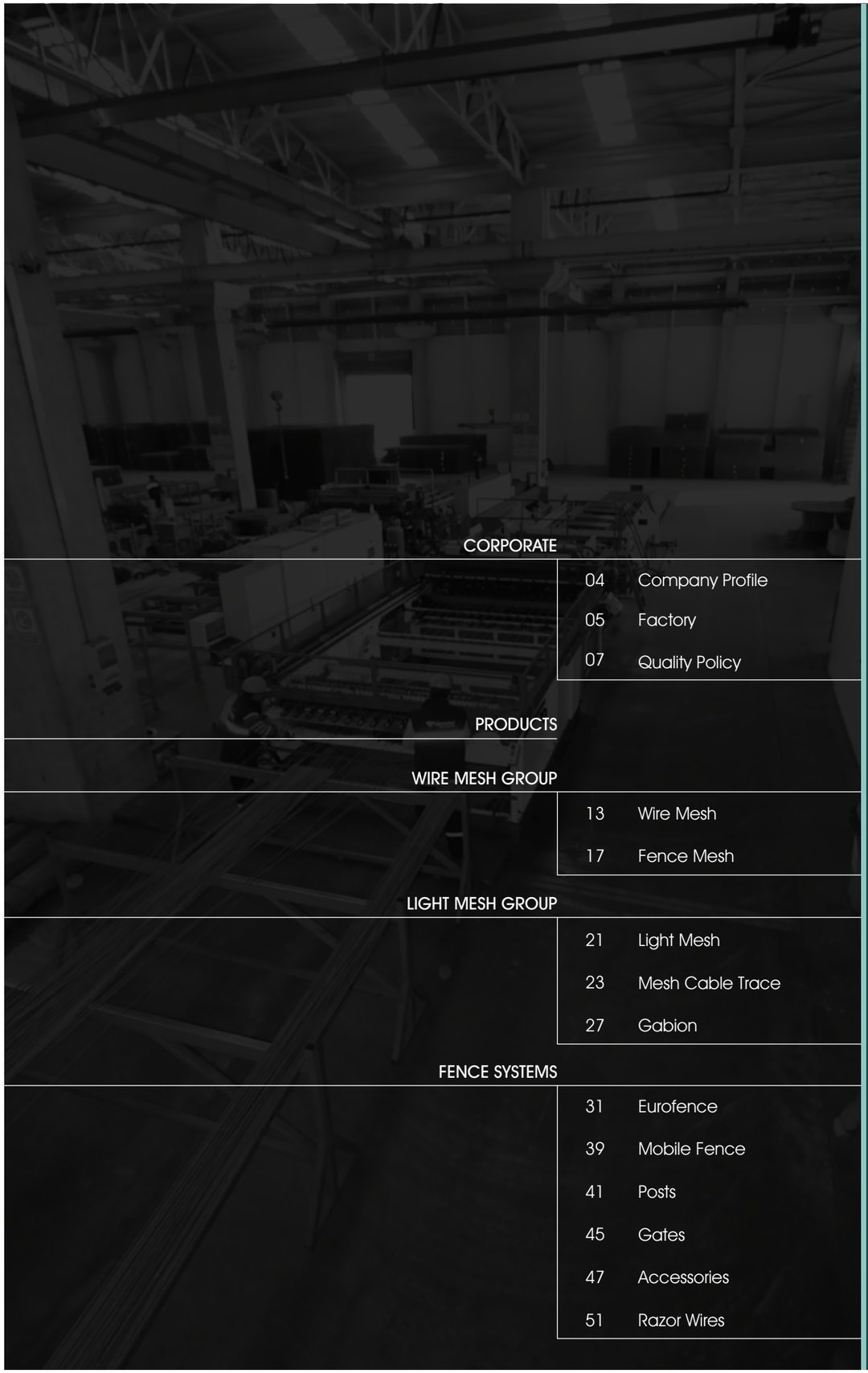

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COMPANY PROFILE

"YOUNG, TALENTED, AND EXPERIENCED STAFF WITH ADVANCED PRODUCTION TECHNOLOGY"

Demma has started its production in 1974. Demma with the total area of 30.000 m2, is the foremost industrial mesh, light mesh and fence manufacturer in Turkey with its young talented, expert staff and advanced production technology in international standards.

Our production capacity is about 30.000 tons per year of welded wire mesh and fencing meshes according to the norms of TS 4559, DIN 488, BS 4483, ASTM 497 and ASTM A 185. In domestic market, Demma has been taking an important role in many construction projects, with our technical application team such as Keban and Ataturk Dams; Ataturk Airport, 3.Istanbul Airport; Fatih, Yavuz Sultan Selim and Çanakkale Bridges; Emlak Bank & TOKİ Housing Projects; Akmerkez, Istinye Park and Zorlu shopping malls etc.

Demma is also producing galvanized and non-galvanized light wire meshes which are used in farm animal cages, cable trays, supermarket shelves, wire pallets and containers. The annual production capacity of the light wire mesh production line is 3600 tons per year. In addition to the above products, Demma also has become the leading fence systems producer in Turkey since 2007 after the completion its technological machinery investments.
The annual production capacity of the fence systems production line is 3.500.000 m^2 per year.



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FACTORY

"PRODUCTION IN INTERNATIONAL STANDARDS WITH RENEWED PRODUCTION LINES"

Our company headquarters is in Istanbul. Demma has been renewing its production lines and continuing its activities in a new factory in Canakkale – Biga. There are nearly 50 authorized dealers in Turkey and abroad that sell and market the products manufactured by Demma.



MISSION

With 45 years of experience in construction sector with its dynamic and high skilled personnel, Demma targets to improve product quality and customer satisfaction constantly.

VISION

To pursue all innovations in our sector to produce fast and high quality products, to exceed customer expectations for the products that we are manufacturing and with our dynamic and effective company structure we are aiming to be one of the leading companies in domestic and international markets in our field of manufacturing.



OUR VALUES

We are committed to our principles and are committed to these values at every stage of our work to develop solutions that will make a difference with our experienced employees and to ensure continuous growth in a competitive environment.



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QUALITY

"MEASURABLE AND SUSTAINABLE RESULTS"

With our composed company mission, vision and values, we are aiming to create measurable and sustainable service, product quality for our customers.

According to the goals above;

- Our company pursues continuous innovation according to customer needs and expectations. We measure customer satisfaction and take necessary actions. Work processes are being made very efficient due to the continuous performance evaluations.
- Constant improvements on product quality.
- Educational, communicational channels are efficiently used for improving our staff skills to create experienced and proactive team.
- We take every opportunity to develop and improve our relations with our suppliers and distributors.
- We contribute to social community with the projects we develop.







ISO 9001

TSE



GLOBAL ACTIVITIES

Demma has been one of the leading companies in the industry by exporting 40% of its annual production to the USA, Europe, Russia, Turkish Republics, Middle East and African countries.

Europe
Albania, Bosnia Herzegovina, Britain Bulgaria, Croatia, Hungary, Greece, Ireland, Kosovo, Macedonia, Montenegro, Serbia, Slovenia, Sweden, Turkish Republic of Northern Cyprus

Asia
Azerbaijan, Georgia, Kazakhstan, Tajikistan, Turkmenistan

Middle East
Iraq, Israel, Lebanon, Saudi Arabia, Oman

Africa
Algeria, Chad, Libya Mauritania, Morocco

WIRE MESH GROUP

Demma Inc. manufactures in accordance with TS 4559, DIN 488, BS 4483, ASTM 497 and ASTM A 185 steel wire mesh norms. The annual capacity is 35,000 tons.

Wire Mesh



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Wire Mesh

Description

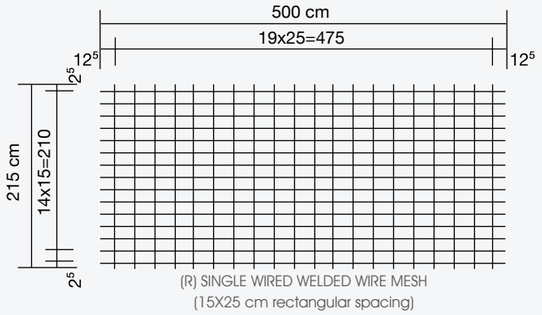
Welded wire mesh is a prefabricated steel reinforcing material. It is manufactured from S220 cold drawn, ribbed and high yield strength steel wires especially used in construction.

Welded Wire mesh can be produced in two different shapes based on their placement working principle.

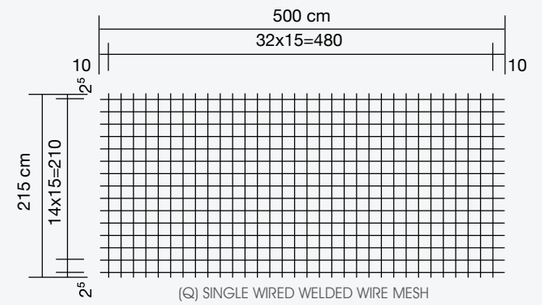
1. R Type meshes for one way placement.
2. Q Type meshes for dual way placement.







(R) SINGLE WIRED WELDED WIRE MESH
(15X25 cm rectangular spacing)



(Q) SINGLE WIRED WELDED WIRE MESH
15X15 cm square spacing

Technical Specifications



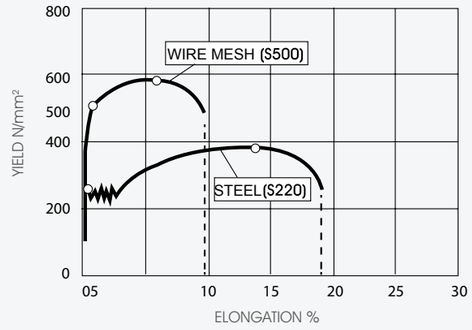
Min Yield Strength	500 N/mm²
Min. Tensile Strength	550 N/mm²
Min. Elongation	%8 %5 (TS 4559)
Joint Shear Resistance	S=0.30 x As x f0.2

Areas of Use

As a construction material, welded wire mesh is used especially in reinforcing all sorts of concrete structures such as slabs, walls, webs, beams, column footing, highways, tunnels and galleries.

However, apart from these, there are other available welded wire mesh types which are used for garden fencing, safety railings and suspended ceilings.

According to the customer demand, these can be manufactured as hot dipped galvanized and polyester painted.



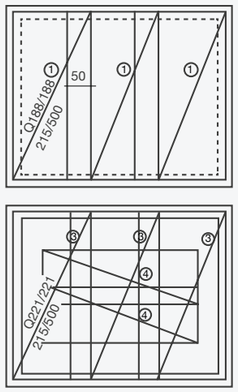
Advantages

The yield strength of wire mesh is 2.27 times higher than S220 steel and 1.19 times higher than S420 steel. In other words, our production of welded wire mesh provides economy in steel consumption up to 10%, in time and labor up to 25%.

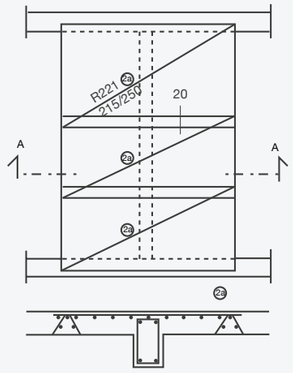
Projects

The types of welded wire mesh to be used are calculated according to project moments and concrete grade. In compliance with the formwork, the reinforcement drawings are completed. In order not to mislead the type of the wire mesh, two plans, one called the bottom reinforcement drawing to meet the spacing effects and the other called the upper reinforcement drawing to meet the propping effects, are drawn. Moreover, within every reinforcement drawing, a wire mesh cutting plan is to provided to show the cutting points and the dimensions required for the placement of the meshes, which are also necessary to calculate the amount of steel to be used.
Application projects of the wire mesh for every type of construction works and required technical support during their application is provided by Demma is free of charge.

Placing The Wire Mesh

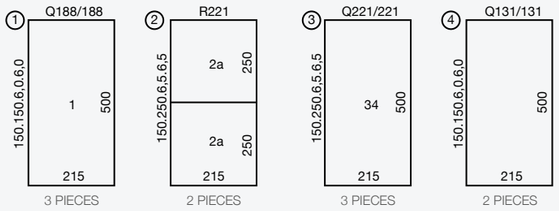


In slabs, single and double layer placement of wire meshes in the bottom reinforcement



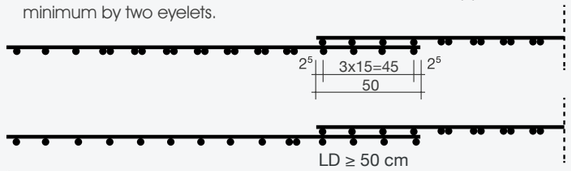
(A-A CROSS SECTION)
In props, single layer placement of the upper reinforcement of wire meshes

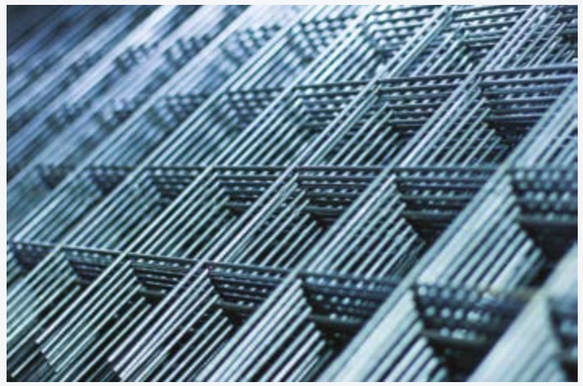
Wire Mesh Cutting Plan



Over Lappings On Wire Mesh

- On the edges of the wire mesh with double wires, reducing of side wires should be performed as: 3 eyelets in Q types and 2 eyelets in R types.
- Since the jutting of the transverse and longitudinal wires of the wire mesh are normally 10 cm and 17.5 cm, they can be easily inserted into beams and columns.
- In the concrete laid fields, depending on the cross sections of the wires, it shall be best suited if the wire meshes are over lapped minimum by two eyelets.



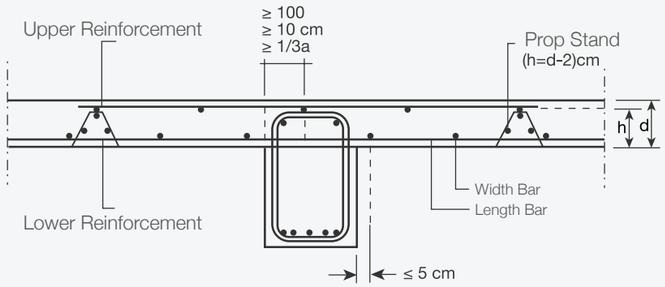


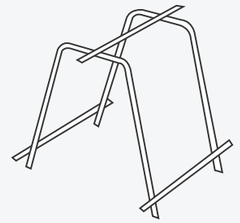




Using Prop Reinforcement Stand With Welded Wire Mesh

Cross Section of wire mesh flooring

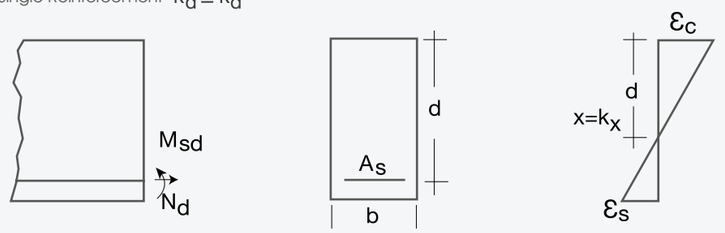




Prop Reinforcement Stand

Cross Section Calculation Based On Loading Capacity

Single Reinforcement $k_d \geq k_d^*$



$$k_d = d(cm)\sqrt{M_{sd}(kNm) / b(m)}$$

$$A_s = (cm^2) = k_s M_{sd}(kNm) / d(cm) + N_d(kN) / f_{yd}(kN/cm^2)$$

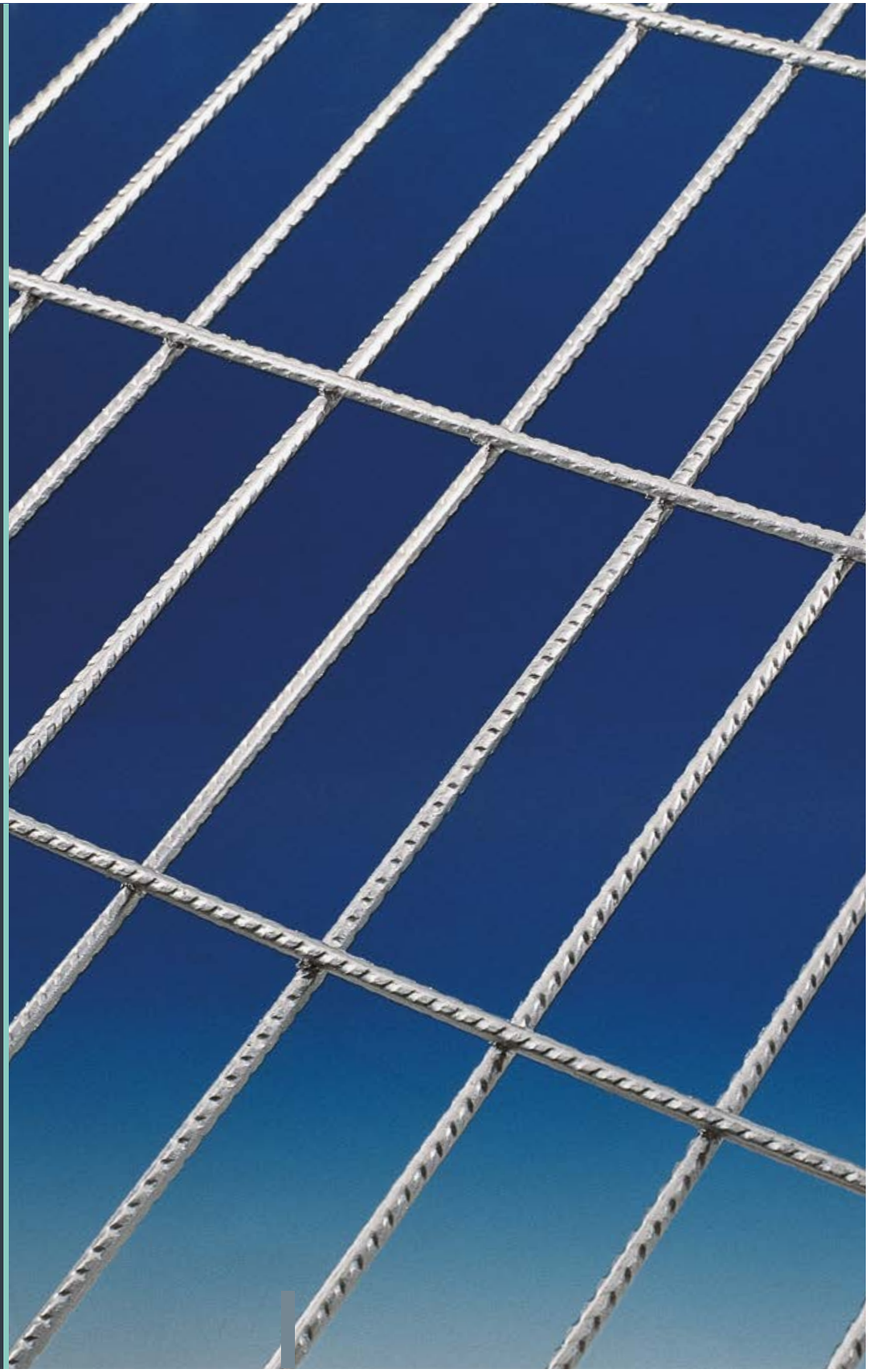
Standards and Specification

Our production complies with Turkish Standards TS 4559 but our factory is well capable of producing according to DIN, BS and ASTM standards up on request. Standard sizes are normally held in stock are 2.15 m. by 5.00 m. According to the customer's requirements, special dimensions can be manufactured but the order has to be above a certain quantity.

DIMENSIONS

WIRE MESH									
MESH TYPE	MESH SIZE (cm)		SPACING (cm)		WIRE DIA. (mm)		WEIGHT (kg)		PACKAGE/PIECE
	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	kg / unit	kg / m²	
Q 106/106	500	215	15	15	4,5	4,5	18,2	1,69	50
Q 131/131	500	215	15	15	5,0	5,0	22,5	2,09	50
Q 158/158	500	215	15	15	5,5	5,5	27,3	2,54	50
Q 188/188	500	215	15	15	6,0	6,0	32,4	3,01	50
Q 221/221	500	215	15	15	6,5	6,5	38,0	3,54	50
Q 335/188	500	215	15	15	8,0/6,0	6,0	43,4	4,04	30
Q 335/335	500	215	15	15	8,0	8,0	57,7	5,37	25
R 106	500	215	15	25	4,5	4,5	14,8	1,38	50
R 131	500	215	15	25	5,0	5,0	18,2	1,69	50
R 158	500	215	15	25	5,5	5,5	20,6	1,92	50
R 188	500	215	15	25	6,0	6,0	23,3	2,17	50
R 221	500	215	15	25	6,5	5,0	26,1	2,43	50
R 257	500	215	15	25	7,0	5,0	29,3	2,73	30
R 335	500	215	15	25	8,0/6,0	5,0	34,3	3,19	25
R 378	500	215	15	25	8,5/6,0	5,5	37,0	3,44	25
R 443	500	215	15	25	6,5d	5,5	41,8	3,89	20
R 513	500	215	15	25	7,0d	6,0	48,8	4,54	15
R 589	500	215	15	25	7,5d	6,5	59,7	5,66	10

Fence Mesh



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Fence Mesh

Description

Fence Mesh / Defence is produced with the wire mesh production techniques. This product is used in high security fence projects which are commonly applied on concrete walls.





Technical Specifications

- It has four standard dimensions (150x500-150x600-215x500-215x600 cm), 15 x 5, 5 cm mesh size and 5, 0 x 4, 5 mm wire diameter. Black-ribbed steel wire is used to produce defence.
- Demma has a standard production for this product, and it is available in stock anytime during a year.
- Because of the nature of black wire used as a raw material, Anti-rust and paint applications are advised to use on this product for longer product life cycle.
- Besides the standard production of Defence with black-ribbed steel wire, Demma also can produce this product using black smooth (No Reformation) wire, pre-galvanized (min. 40-60 gr/m^2 Zn) wire, or hot Dipped Galvanized (min. 450-500 gr/m^2 Zn) wire.
- Especially our hot dipped galvanized fence mesh is preferred by our clients because of its longer product life cycle without using neither anti-rust nor paint applications.

FENCE POSTS

Black or galvanized box section or pipe section posts can be used.

Areas of Use

Fence Mesh/ Defence is mainly used in parks, gardens, commercial or residential sites, and sports complexes.

Installation

Purchased mesh can be cut length or width wise and install directly or they can be framed with angle iron. The panels can be welded to the posts or they can be installed by using steel screws.
For example, when setting up a fence with a height of 100cm, generally meshes of 215x500 cm is needed to be purchased and cut (length wise) into two pieces to meet the purpose.

DIMENSIONS

FENCE MESH			
TYPE	DIMENSIONS (cm)	WIRE DIAMETER (mm)	SPACING (cm)
FENCE MESH 150-5	150 / 500	5.0 - 4.5	15 X 5.5
FENCE MESH 150-6	150 / 600	5.0 - 4.5	15 X 5.5
FENCE MESH 215-5	215 / 500	5.0 - 4.5	15 X 5.5
FENCE MESH 215-6	215 / 600	5.0 - 4.5	15 X 5.5



LIGHT MESH GROUP



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Light Mesh

Description

Light Wire Mesh is a type of mesh used in wide range of industrial products and applications.





Technical Specifications

- Standard light wire mesh is produced with pre galvanized, hot dipped galvanized and Plain (Black) wires. The standard size of the panel is 100 x 200 cm. Different sizes of mesh sizes are available.
- The coating thickness of the pre galvanized wires is 40-60 gr/m^2 Zn or 120 gr/m^2 Zn.
- The coating thickness of the hot dipped galvanized wires is 450-500 gr/m^2 Zn.
- Different sizes of panels and mesh sizes can be produced if requested.

COATING

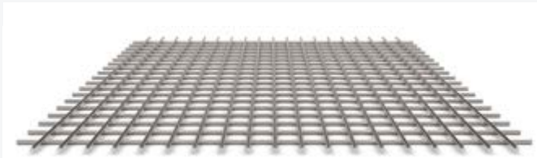
Hot Dipped Galvanized (450-500 gr/m^2 Zn)

COLOR

No paint – Zinc Silver

PACKING

Panels on Pallets

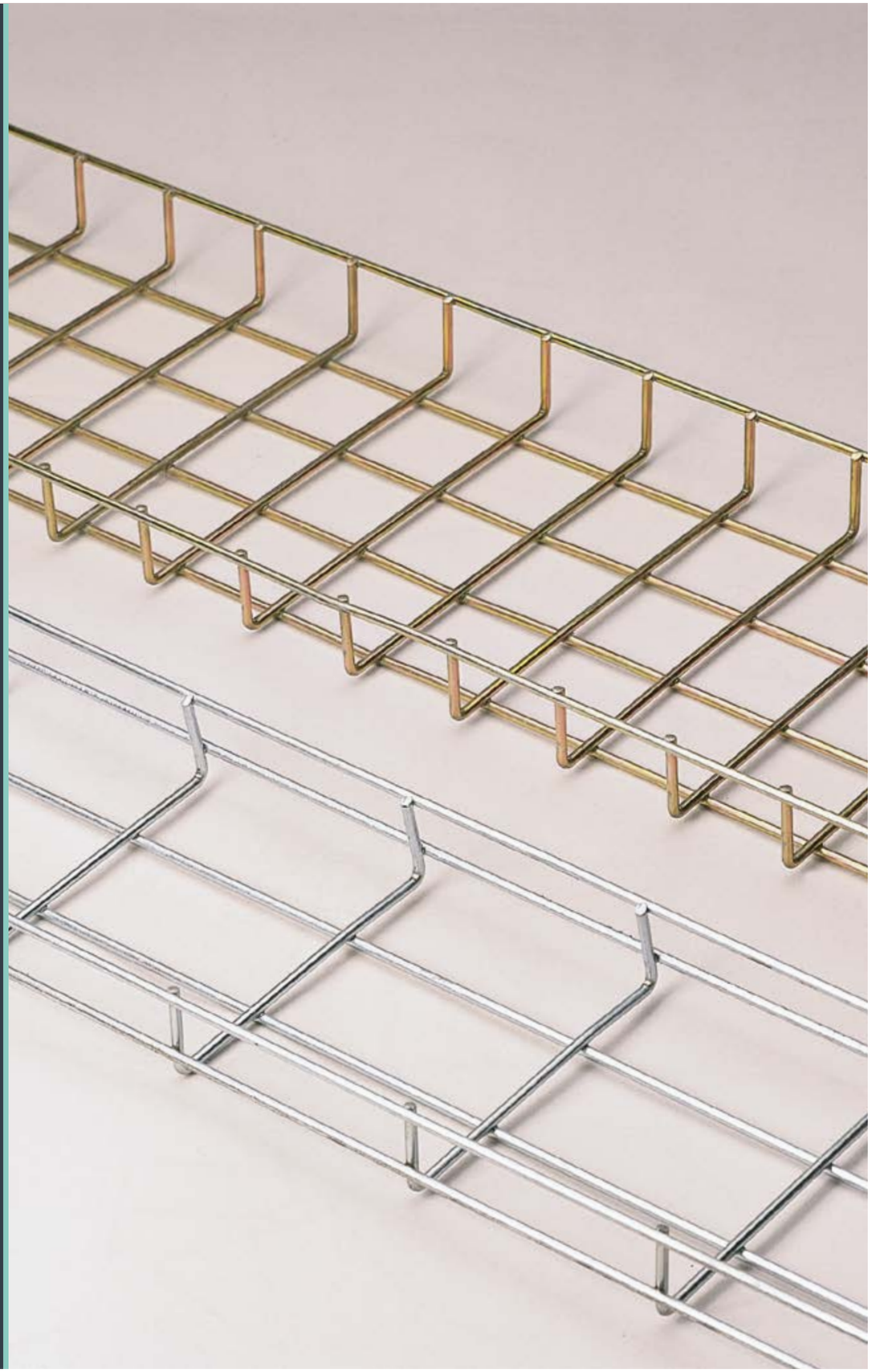


Areas of Use

Farm animal cages (chicken, birds, etc.), Sport yards or facilities (Basketball, tennis etc.), Kitchen ware, Shelving systems, (Supermarkets, storages, etc.), Greenhouse applications, Industrial components, Different kind of retail stands, Narrow sized reinforcing mesh, Cable trays, Fencing products, Filtration systems.

DIMENSIONS

LIGHT MESH			
TYPE	DIMENSIONS (cm)	WIRE DIA. (mm)	SPACING (mm)
SKH 3	100 / 200	3.0 X 3.0	50 X 50
SKH 4	100 / 200	4.0 X 4.0	50 X 50
SKH 4 (120X300)	120 / 300	4.0 X 4.0	50 X 50
SKH 5	100 / 200	5.0 X 5.0	50 X 50
SKH 25	100 / 200	3.0 X 3.0	25 X 25
GKH 3	100 / 200	3.0 X 3.0	50 X 50
GKH 4	100 / 200	4.0 X 4.0	50 X 50
GKH 4 (120X300)	120 / 300	4.0 X 4.0	50 X 50
GKH 5	100 / 200	5.0 X 5.0	50 X 50
GKH 25	100 / 200	3.0 X 3.0	25 X 25



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Mesh Cable Trays

Description

Cable Trays are used to manage cables in the buildings. They are applied on the ceilings, walls, and floors to carry the electrical, electronical, data, and phone cables and keep all of them in order. Cable Trays can be cut and reshape easily and they can be used with accessories which can give a whole cable management system approach to your building.
Cable Trays can be used with many accessories. This new cable management system will give a new approach to make the cables invisible and to gain more space in your building.





Technical Specifications

- Wire diameter can be 3, 4, 5, or 6 mm. The coatings of the wires can be chosen as non coated (black) wire, electro-galvanized, pre galvanized (min. 40-60 gr/m^2 Zn), hot dipped galvanized (min. 120 gr/m^2 Zn), stainless steel, and electrostatic powder coated on galvanized or black wires.
- The demand for our cable tray products has been increased over the years because cable trays are affordable, easy to use and light weighted comparing to the other cable management solutions.
- Cable trays can carry and hold high weights. Also, they are well known as dust free and fireproof products.

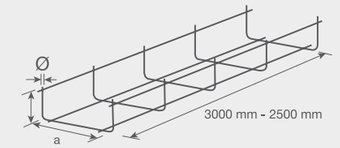
Advantages

- Inexpensive
- Light Weight
- Dust Free / Easy to clean
- Easy to Replace
- Fireproof
- Easy to Install
- Cable Separation
- Easy to change or replace the cables

DIMENSIONS

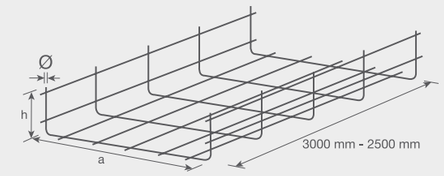
WIRE MESH CABLE TRAY			
TYPE	SIZES(mm)	WIRE DIA.& WEIGHT (kg/m)	
	a x h	4 mm	5 mm
DM 01	50 x 35	0.45	0.67
DM 02	100 x 35	0.60	0.92
DM 03	150 x 35	0.75	1.16
DM 04	200 x 35	0.90	1.40
DM 05	250 x 35	1.05	1.64
DM 06	300 x 35	1.21	1.89

a=50
a=100
a=150
a=200
a=250
a=300



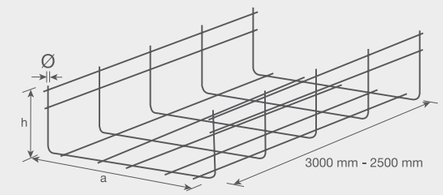
TYPE	SIZES(mm)	WIRE DIA.& WEIGHT (kg/m)	
	a x h	4 mm	5 mm
DM 07	50 x 60	0.60	0.92
DM 08	100 x 60	0.85	1.31
DM 09	150 x 60	1.00	1.56
DM 10	200 x 60	1.15	1.79
DM 11	250 x 60	1.31	2.04
DM 12	300 x 60	1.45	2.26
DM 13	400 x 60	1.76	2.74
DM 14	500 x 60	2.07	3.22
DM 15	600 x 60	2.38	3.71

a=50
a=100
a=150
a=200
a=250
a=300
a=400
a=500
a=600



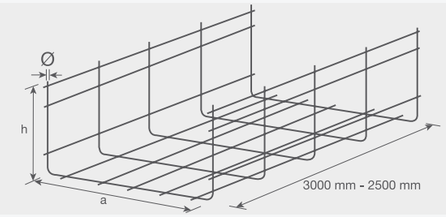
TYPE	SIZES(mm)	WIRE DIA.& WEIGHT (kg/m)	
	a x h	4 mm	5 mm
DM 16	100 x 85	0.90	1.40
DM 17	150 x 85	1.05	1.64
DM 18	200 x 85	1.21	1.89
DM 19	250 x 85	1.36	2.12
DM 20	300 x 85	1.51	2.35
DM 21	400 x 85	1.81	2.82
DM 22	500 x 85	2.12	3.30
DM 23	600 x 85	2.43	3.78

a=100
a=150
a=200
a=250
a=300
a=400
a=500
a=600



TYPE	SIZES(mm)	WIRE DIA.& WEIGHT (kg/m)	
	a x h	4 mm	5 mm
DM 24	200 x 110	0.90	1.40
DM 25	250 x 110	1.05	1.64
DM 26	300 x 110	1.21	1.89
DM 27	400 x 110	1.36	2.12
DM 28	500 x 110	1.51	2.35
DM 29	600 x 110	1.81	2.82

a=200
a=250
a=300
a=400
a=500
a=600







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Gabion

Description

Unique type of basket system filled with stones or sand used in erosion protection, security and other purposes of wall construction.





Technical Specifications

- Gabion basket is made out of welded wire panels fixed with helix (spring).
- Wire diameters are 3,0-4,0-5,0 mm, mesh size is 50-100 x 50-100 mm Coatings are Hot Dipped Galvanized (120 – 500 gr/m^2 Zn), Galvan and/or Stainless Steel
- Sizes, Length= 50-100 cm, Width=50-200 cm, Height=50-100 cm
- Customized sizes can also be produced by Demma.

Areas of Use

- Retaining Walls
- Creek Bed Control
- Infrastructure
- Erosion Control
- Landscaping
- Security Purposes





DIMENSIONS

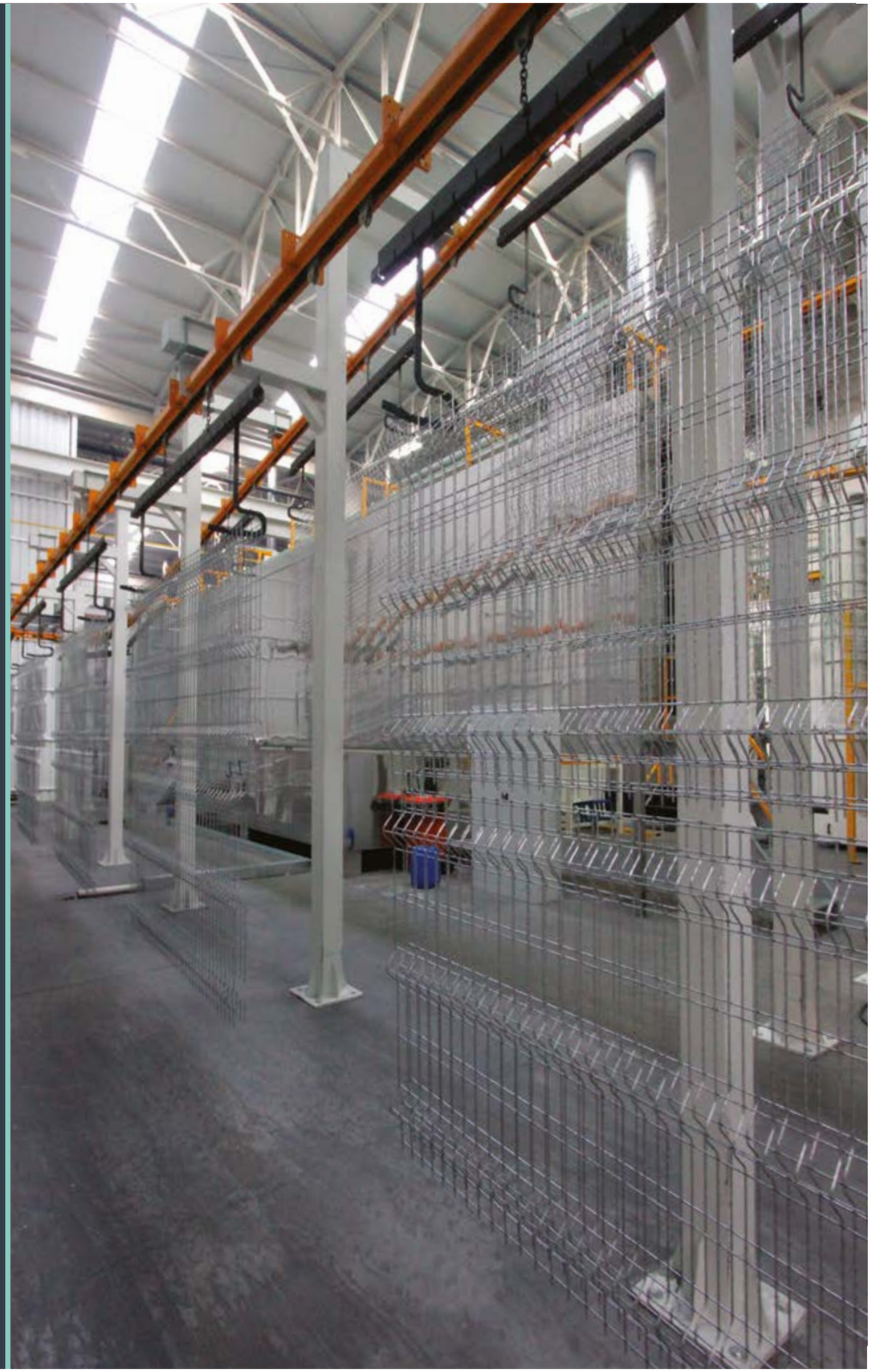
GABION	
WIRE	Hot Dipped Galvanized (120-500 gr/m^2 Zn) - Galphan - Stainless Steel
DIAMETER	3,0 – 4,0 – 5,0 mm
SPACING	50 - 100 x 50 - 100 mm
DIMENSIONS*	Length= 50-200 cm Width= 50-100 cm Height=50-100 cm *

* Customized sizes can also be produced by Demma.



FENCE SYSTEMS

eurofence FENCE SYSTEMS



Registered trademark of Demma Steel Wire Mesh Production Inc

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Eurofence

Description

Eurofence has an affordable price ratio, durable and aesthetic design. It is an environmentally friendly fence system, which provides easy installation options to its end users.
Our company produces and distributes Eurofence including posts and with all other necessary installation accessories.





Technical Specifications

- Produced based on Turkish Standards (TSE) and ISO 9001 standards in a unique way of welding the wires together. Wire diameters of the fences are 4.0, 4.3, 4.5 and 5.0mm.
- Wires used in Eurofence are coated pre-galvanized (40-60 gr/m^2 Zn), electro galvanized or hot dipped galvanized (450-500 gr/m^2 Zn).
- When welding job is done, we can apply customer's choice of painting or coating.
- Standard pre galvanized (40-60 gr/m^2 Zn) panels can be coated with polyester based electrostatic powder paint (80-120 microns) or, PVC based thermoplastic powder paint (200 microns).
- Polyester based electrostatic powder coated panels have 3 years and PVC based thermoplastic powder coated panels have 10 years warranty.
- The paints in use are 90% UV protected and 10 years color guaranteed.
- All posts are box section posts and galvanized inside out (40-60 gr/m^2 Zn)
- All of our plastic accessories have UV protection and they are made out of polyimide material, which is a heat resistant so the color of the accessories will not fade.
- All of the steel screws are electro-galvanize coated for antirust protection.
- Plastic or metal clips and bracelets are used as installation accessories.

PAINT / COATING

Polyester based electrostatic powder coating
Plascoating (PVC based) thermoplastic powder coating

PACKING

Panels on Pallets

COLOR

Our standard color is RAL 6005 (Dark Green). If requested, it can be produced in any other RAL color desired.

FENCE POST

Galvanized Box Section Posts





Eurofence

Areas of Use

The main application sites are parks and gardens, subways and railroads, airports, sports complexes, factories, shopping centers, governmental buildings, schools and hospitals military bases, ports, customs and logistic centers, public and private events, and many other applications.

Advantages

10 reasons to choose Eurofence



DIMENSIONS

EUROFENCE				
SPACING (mm)	WIRE DIAMETER (mm)	LENGTH (mm)	HEIGHT (mm)	BENDS
200 X 50	4,00 / 4,30 4,50 / 5,00	2500	830	2
		2500	1030	2
		2500	1230	2
		2500	1530	3
		2500	1830	3
		2500	2030	4

- Panel fence lengths can be produced as 2000 mm.
- Posts are made of 50 x 50 x 1,50 mm or 60 x 60 x 1,50 mm box profile.
















P
2 p.m













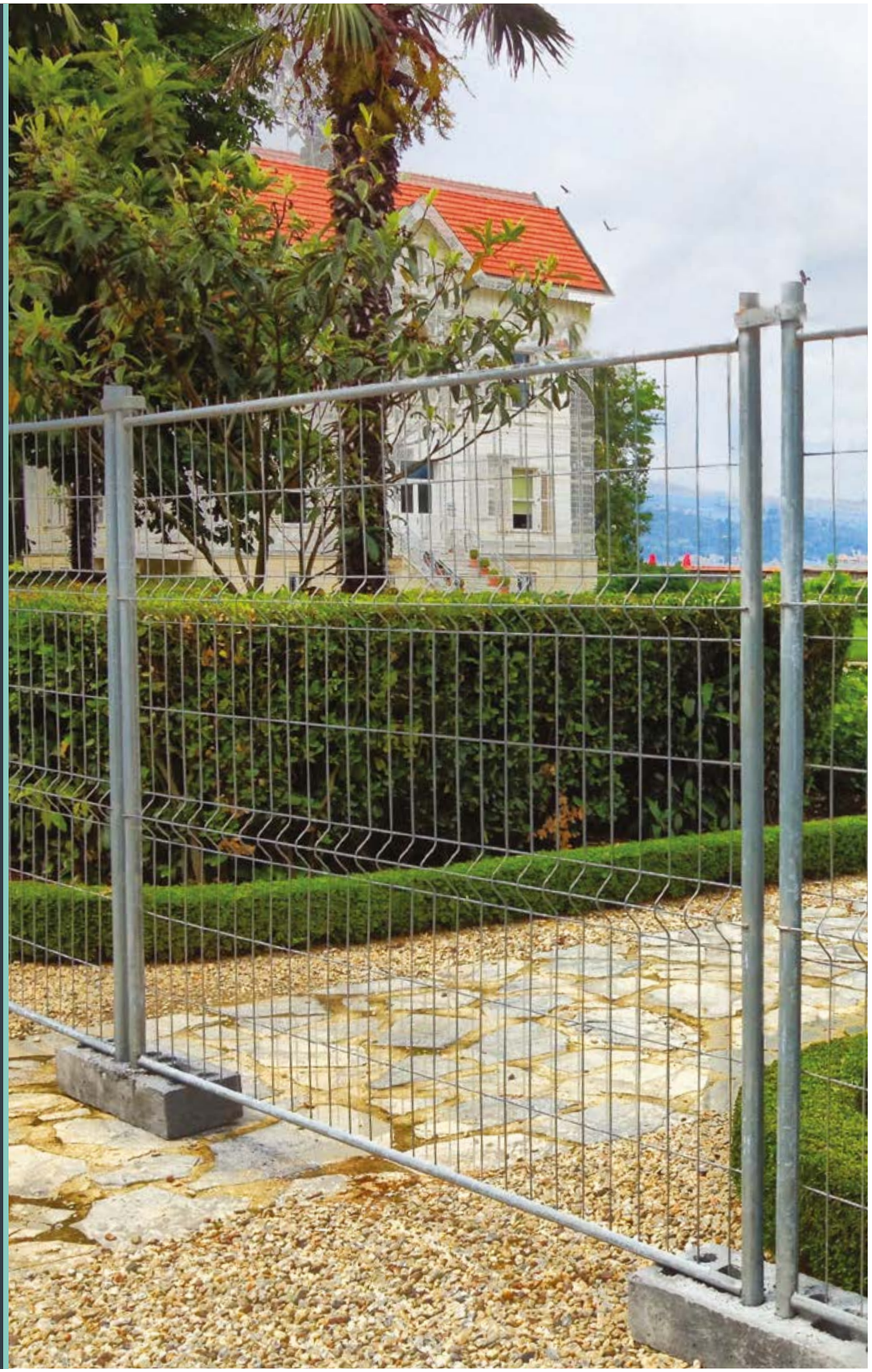

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Mobil Fence

Description

Mobilfence system offers variety of usage idea. You can apply this product anytime and anywhere. It is a portable security fence system which is very easy to install.
Demma is the first manufacturer of this type of fencing system in Turkey.





Technical Specifications

- Produced based on Turkish Standards (TSE), the product comes with flat surfaced welded wires (dia. 4 x 5 mm) and welded pipe section posts.
- The coating of the product is hot dipped galvanized min. 450-500 gr/m^2 Zn.
- One unit of mobilefence has a very light weight so it is very easy to carry from one place to another.
- Hot dipped galvanization process makes this product rust free.
- The product has an aesthetic look, it is easy to install when its concrete footages are used and it does not damage the surface of the fence site because of its temporary installation system.
- You can purchase mobilfence in two different heights (H: 120 cm and H: 200 cm) and with only one color (Zinc Gray) from our factory stocks. We can also produce mobilfence with different heights and different colors when requested.
- Mobilfence can be purchased from us with canvas to not to expose inside of the fenced site.

PAINT / COATING

Hot Dipped Galvanized (min. 450-500 gr/m^2 Zn).

PACKING

Panels and Posts on Pallets.

COLOR

Zinc Gray (all RAL colors are available).

POST

Pipe section steel posts.





DIMENSIONS

MOBIL FENCE			
TYPE	DIMENSIONS (cm)	WIRE DIAMETER (mm)	CONCRETE WEIGHT (kg)
mobilfence 120	120 / 350	5.0 - 4.0	45
mobilfence 200	200 / 250	5.0 - 4.0	45



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Posts

Description

Posts are used in decorative and security fence projects to hold and support the fence meshes with their accessories.
Posts' importance is that they make the fences stay straight and strong where they are installed.
Our standard fence posts are box section posts and they are all hot dipped galvanized inside-out. Pipe section posts can be used also for the specific fence projects.







Technical Specifications

- Standard Posts have 50 x 50 x 1.5 mm or 60 x 60 x 1.5 mm box section, galvanized inside out (40-60 gr/m^2 Zn).
- Standard eurofence fence systems have 75-100-120-150-200 cm heights and standard doublefence fence systems have 80-100-120-140-160-180-200-220-240 cm heights.
- Galvanized box section posts are Electrostatic Powder Coated (80-120 microns) or PVC based Thermoplastic Coated (200 microns).
- Posts with Electrostatic Powder Coating have 3 years. Posts with PVC based Thermoplastic Coating have 10 years warranty
- All of the paints in use are 90% UV protected.
- Standard Color is 6005 (Dark Green). Other RAL colors are also available.
- Each post comes with a UV protected plastic cap to prevent any water entrance.
- Fence panels are installed on the posts with plastic or steel clips or bracelet.
- For concrete base installation, the posts come with steel plate. Also, steel dowels are used to install the posts on the concrete base.
- For the soil ground installations, posts are 50 cm longer (no steel plate). If there is a razor wire application, posts can be angled in Y shapes.
- If requested customized posts can be produced by Demma in different sizes and in different colors.

DIMENSIONS

POSTS		
POST HEIGHT (cm)	STEEL BASE PLATE (cm)	BOX PROFILE SIZES (mm)
H= 75	120 x 120 x 5	50 x 50 x 1,5
H=100	120 x 120 x 5	50 x 50 x 1,5
H=120	120 x 120 x 5	50 x 50 x 1,5
H=150	120 x 120 x 5	50 x 50 x 1,5
H=200	120 x 120 x 5	50 x 50 x 1,5
H= 75	150 x 150 x 6	60 x 60 x 1,5
H=100	150 x 150 x 6	60 x 60 x 1,5
H=120	150 x 150 x 6	60 x 60 x 1,5
H=150	150 x 150 x 6	60 x 60 x 1,5
H=200	150 x 150 x 6	60 x 60 x 1,5





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Gates

Description

Gates are important element of any kind of fencing system to control the entrance and exit points of the fenced area.





Technical Specifications

- Gates are produced by using same materials as fences and posts.
- The frame is made out of galvanized box sections (min.40-60 gr/m² Zn), and galvanized fence panels (min.40-60 gr/m² Zn) are used to complete the gate wings.
- Galvanized box section are Electrostatic Powder Coated (80-120 microns) or PVC based Thermoplastic Coated (200 microns).
- Gates with Electrostatic Powder Coating have 3 years. Gates with PVC based Thermoplastic Coating have 10 years warranty.
- All of the paints in use are 90% UV protected.
- The Standard color is RAL 6005 (Dark Green). Other RAL colors are available by request.
- Any types of locking system can be installed on our gates.
- Standard gates have single or double wings. We can also produce manual or automatic side opening gates as well.
- We can find you a producer of wrought iron or remote controlled gates from our supplier database.

DIMENSIONS

GATES			
HEIGHT (cm)	SINGLE WING WIDTH (cm)	DOUBLE WING WIDTH(cm)	PROFILE (mm)
H= 75	100	200	50 x 50 x 1,5
H=100	100	200	50 x 50 x 1,5
H=120	100	200	50 x 50 x 1,5
H=150	100	200	50 x 50 x 1,5
H=200	100	200	50 x 50 x 1,5
H= 75	100	200	60 x 60 x 1,5
H=100	100	200	60 x 60 x 1,5
H=120	100	200	60 x 60 x 1,5
H=150	100	200	60 x 60 x 1,5
H=200	100	200	60 x 60 x 1,5

*Doors can also be produced in different sizes.



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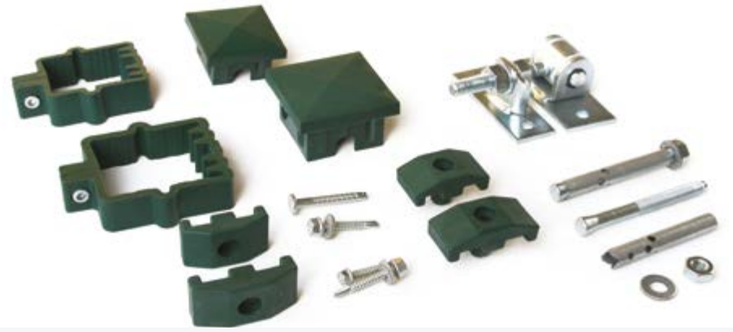
Accessories

Description

The Fence Accessories are designed to fix the fence panels on the fence posts and they are used to install the fence system on the concrete or soil ground.



Technical Specifications

- Plastic Cap: It is used to block any water entrance into the fence post. It is made out of UV protected polymide raw material. The plastic cap is used for any sizes of box section posts.
- Plastic Clips with Metal Nails: The Plastic Clips are used to install the fence panel on the fence posts. They are made out of UV protected polymide raw material. Their metal nails are electro-galvanized coated for anti-corrosion. These accessories are used on the posts which have holes.
- Plastic Clamps with Nuts and Screws: It is another accessory also used to install the fence on the box section posts. They are made out of UV protected polymide raw material. Their steel nuts and screws are electro-galvanized coated for anti-corrosion. These accessories are used on the posts which don't have holes.
- Steel Dowels: These dowels are used to install the posts on the concrete wall. They are also electro-galvanized coated for anti-corrosion.
- Plastic Dowel with Hexagon Screws: These dowels are used to install the posts on the concrete wall. The hexagon screws are electro-galvanized coated for anti-corrosion.
- Metal Clips with Metal Nails: The Plastic Clips are used to install the fence panel on the fence posts. They are made out of galvanized steel plates. Metal Clips are PVC based thermoplastic or electrostatic powder coated. Their steel nuts and screws are electro-galvanize coated for anti-corrosion. Metal nails are easy to screw them with a driller. These Clips are mostly used if you cannot estimate where to locate the panels on the posts.
- Metal Clamps with Nuts and Screws: They are used to install the fence panel on the side of the post. They are made out of galvanized steel plates, and are PVC based thermoplastic or electrostatic powder coated. Their steel nuts and screws are electro-galvanized coated for anti-corrosion.
- Metal Clips with Nuts and Screws: These Clips are used for doublefence products. They are made out of galvanized steel plates, and are PVC based thermoplastic or electrostatic powder coated. Their steel nuts and screws are electro-galvanized coated for anti-corrosion.

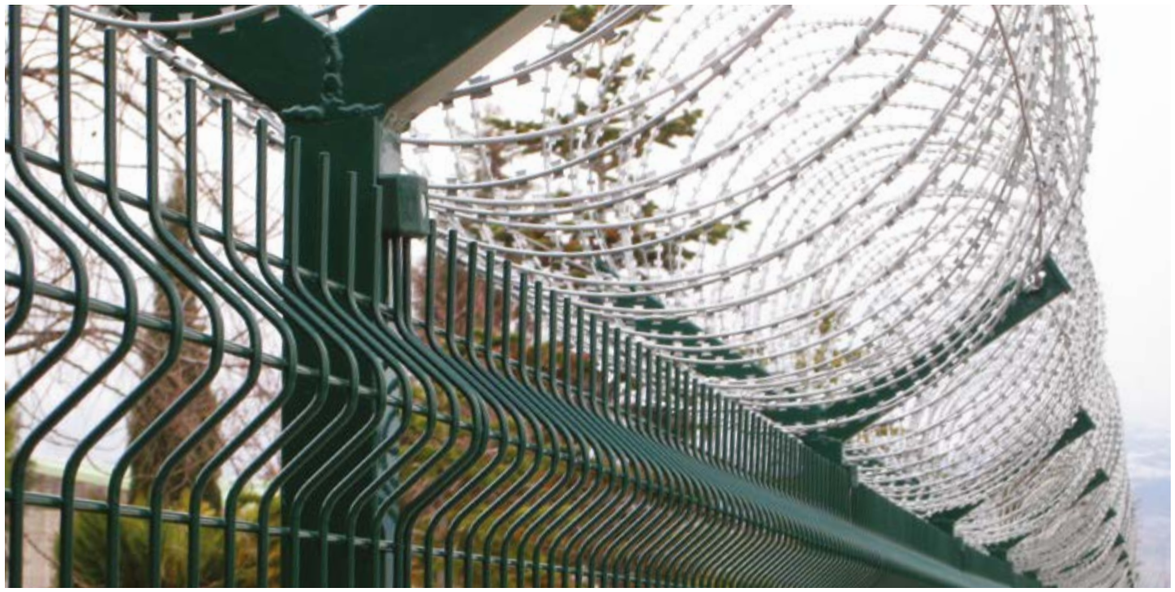
FENCE ACCESSORIES	
PRODUCT NAME	SIZES
Plastic Cup	50
Plastic Cup	60
Plastic Clips + Screws	50
Plastic Clips + Screws	60
Plastic Cuff + Screws + Washers	50
Plastic Cuff + Screws + Washers	60
Steel Inserts	M10-85
Steel Inserts	M10-100
Plastic Insert + Screws + Washers	M14
Metal Clips + Screws	50
Metal Clips + Screws	60
Metal Cuff + Screws + Washers	50
Metal Cuff + Screws + Washers	60
Pins + Metal Clips + Screws	50
Pins + Metal Clips + Screws	60



Razor Wires







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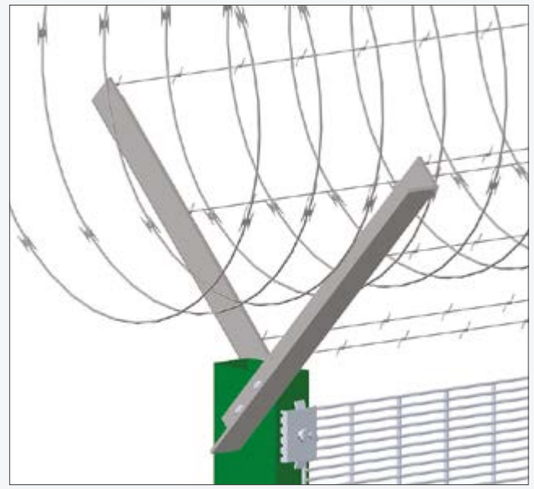
Razor Wires

Description

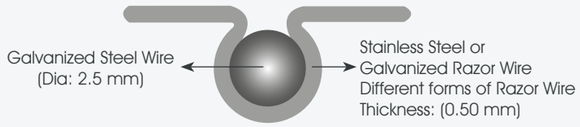
Razor wires are used to increase the security level of fenced sites such as parks, gardens, residential or commercial properties, military bases, and oil fields.
Razor wires are economically the best solution for high level security.

Technical Specifications

COMMON TECHNICAL FEATURES OF THE RAZOR WIRES WITH DIFFERENT SHAPES	
QUALITY	Based on DIN 17140 D 70-2E
WIRE DIAMETER	2,5mm (± 0.10mm)
TENSILE STRENGTH	160 kg/mm² (min)
COATING	200 gr/m² (min)



CROSS SECTION



RAZOR TAPE TYPES

- 0.50 mm (± 0.08mm) from AISI 304 Quality Stainless Steel Wire,
- 0.50 mm (± 0.08mm) from AISI 430 Quality Stainless Steel Wire,
- 0.50 mm (± 0.08mm) from Galvanized Steel Sheet (Min 120gr/m²) Zinc).

DIFFERENT FORMS OF RAZOR WIRE

- Razor Wire Shape 1
- Razor Wire Shape 2
- Razor Wire Shape 3
- Razor Wire Shape 4







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Razor Wires

FORMS OF RAZOR WIRE

There are three different forms of Razor Wire:
- Helix Form
- Flat Form
- Line Form

Helix Formed Razor Wire:
The razor wire opens backward in a circular way and it is installed on the Y shaped box section posts.

- Diameters of the Helix are: 30-45-60-70-75-80-97 cm,
- Opening Lengths are: 5,0-6,0-6,5-7,5-8,0-8,5-10,0 meters,
- The weights of the rolls are: 5, 0-7, 0-9, 3-10, 5-11, 4-12, 5-14, 7 Kg.

Flat Formed Razor Wire:
The razor wire opens sideward in a circular way, and it is installed on the fence panels or posts.

- Diameters of the razor wire circles are 45-60-60-90 cm,
- Opening Lengths are 6,0 – 6,0 – 6,0 – 8,0 meters,
- The weights of the rolls are 4,2 – 4,2 – 7,2 – 9,6 Kg.

Line Formed Razor Wire:
The razor wire is produced and installed in the form of straight line. It can be applied on the regular or Y shaped posts without any clips. Mostly three or more lines are used for high security applications.

1 Kg Line Formed Razor wire is equal to 12 meters.









DIMENSIONS

HELIX FORMED RAZOR WIRE				
HELIX DIA. (cm)	NUMBER OF ROUNDS	OPTIMUM LENGTH (m)	MAXIMUM LENGTH (m)	WEIGHT OF ROLL (Kg)
30	56 (~120°de Klipsli)	5,0	6,0	5,0 Kg (±0,3 Kg)
45	56 (~120°de Klipsli)	6,0	7,0	7,0 Kg (±0,3 Kg)
60	56 (~72°de Klipsli)	6,5	9,0	9,3 Kg (±0,4 Kg)
70	56 (~72°de Klipsli)	7,5	10,0	10,5 Kg (±0,4 Kg)
75	56 (~72°de Klipsli)	8,0	11,0	11,4 Kg (±0,4 Kg)
80	56 (~72°de Klipsli)	8,5	12,0	12,5 Kg (±0,4 Kg)
97	56 (~72°de Klipsli)	10,0	15,0	14,7 Kg (±0,4 Kg)

FLAT FORMED RAZOR WIRE			
HEIGHT (cm)	ROLL LENGTH (m)	WEIGHT (Kg/m)	WEIGHT OF ROLL (Kg)
45	6,0	0,7 (±0,1 Kg)	4,2
60	6,0	0,7 (±0,1 Kg)	4,2
60	6,0	1,2 (±0,1 Kg)	7,2
90	8,0	1,2 (±0,1 Kg)	9,6

LINE FORMED RAZOR WIRE
11,5 - 12,0 m of wire weight is 1 Kg.



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